

Final Report of Stream Sediment, Float, and Bedrock Sampling in the Porcupine Mining Area, Southeast Alaska, 1983-1985



by Jan C. Still, Wyatt G. Gilbert, and Robert B. Forbes

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MINING AREA, SOUTHEAST ALASKA, 1983-1985**

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UNIT OF MEASURE ABBREVIATIONS USED IN THIS REPORT

ft - foot
in - inch
ppm - parts per million

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IN THE PORCUPINE MINING AREA, SOUTHEAST ALASKA, 1983-1985**

By Jan C. Still¹, Wyatt G. Gilbert², and Robert B. Forbes²,

ABSTRACT

As part of a cooperative project during 1983-1985 personnel from the State of Alaska, Division of Geological and Geophysical Surveys and the U.S. Bureau of Mines collected 687 stream sediment, pan concentrate, soil, float, rubblecrop, and bedrock samples in the Porcupine mining area near Haines in Southeast Alaska. More than 460 of the 687 samples collected contained anomalous concentrations of one or more elements, indicating the possible presence of several deposit types. Types include zinc-silver-lead-barium volcanic or sedimentary hosted massive sulfide deposits, gold-silver or base metal vein deposits, and sedimentary hosted large tonnage low-grade gold and gold bearing copper cobalt skarn deposits. Stream sediment samples contained up to 62.25 ppm gold, 10 ppm silver, 1,810 ppm zinc, 2,800 ppm barium, 500 ppm tin, 300 ppm arsenic, 400 ppm nickel, and 30,000 ppm antimony. Bedrock and rubblecrop samples contained up to 24.83 ppm gold, 17.14 ppm silver, 13.4 percent zinc, 940 ppm cobalt, 47 percent barium, 500 ppm tin, 4 percent arsenic, 900 ppm bismuth and 8,000 ppm antimony.

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INTRODUCTION

The mineral development potential of the Porcupine mining area in Southeast, Alaska has been studied as part of a three-year cooperative effort by the U.S. Bureau of Mines (Bureau) and the State of Alaska Division of Geological and Geophysical Surveys (ADGGS). This study has been integrated into the larger Juneau mining district study to be completed in 1989. Figure 1 shows the location of the Porcupine mining area.

As part of the Porcupine mining area study ADGGS and Bureau field crews in 1983, 1984, and 1985 collected 491 bedrock and float samples, 185 stream sediment, 9 pan concentrate, and 2 soil samples. A preliminary report covering 1983 and 1984 work was released in 1984. This final report integrates the earlier data with the 1985 work and summarizes the results of these sampling efforts. Additional reports are in preparation which discuss development potential for lode deposits and placer gold deposits.

The Porcupine mining area is approximately bounded by the Tsirku River to the south and east, by the Alaska-British Columbia border to the west and it extends several miles north of the Haines highway. Samples collected between the Tsirku River and the Glacier Bay National Park boundary, and in the vicinity of Mosquito Lake were also included. Figure 2 shows the area geology (1, 2)³, while figure 3 shows the area geographic localities.

ACKNOWLEDGMENTS

Merrill Palmer, Jo Jurgeleit, Jim McLaughlin, and Porcupine mining area prospectors and miners all helped with this study as did Brian Jones, Kennecott geologist, and the crew at the Kennecott exploration camp.

³Numbers in parentheses refer to items in the list of references at the end of this report.

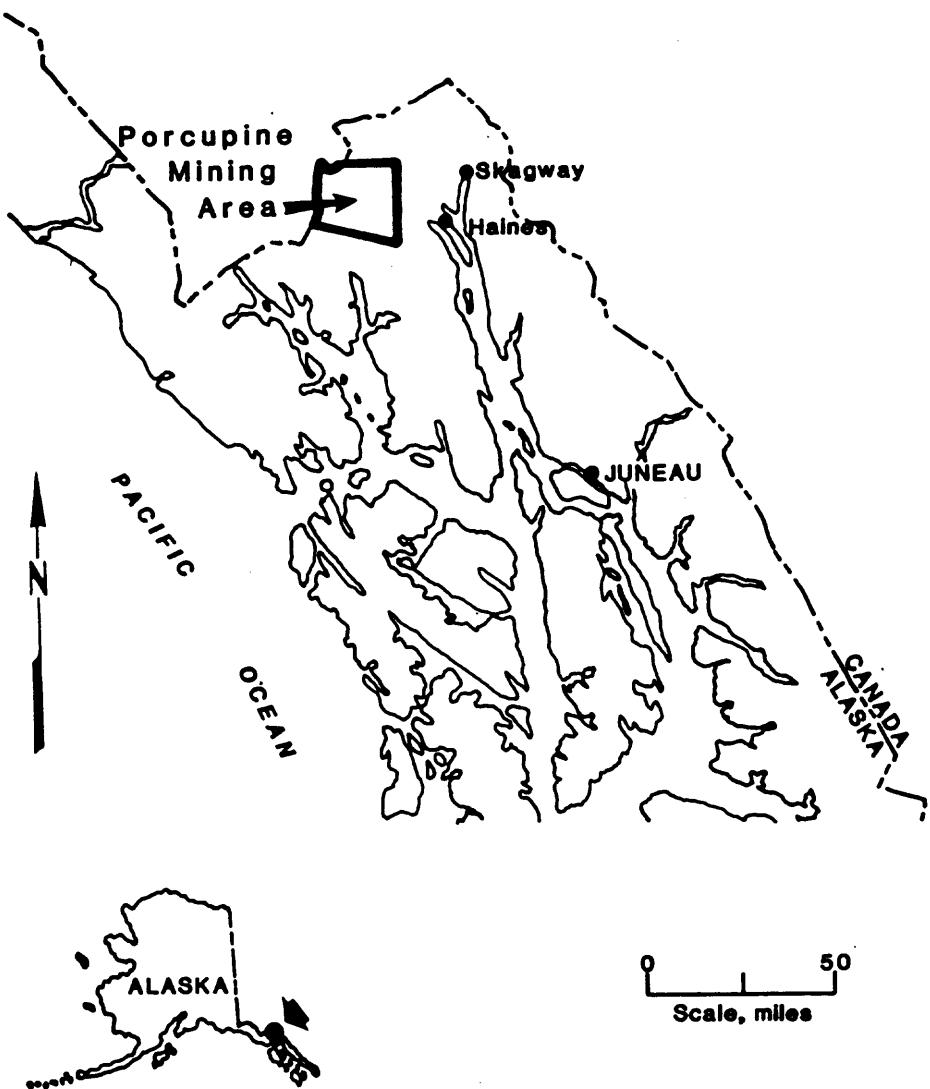
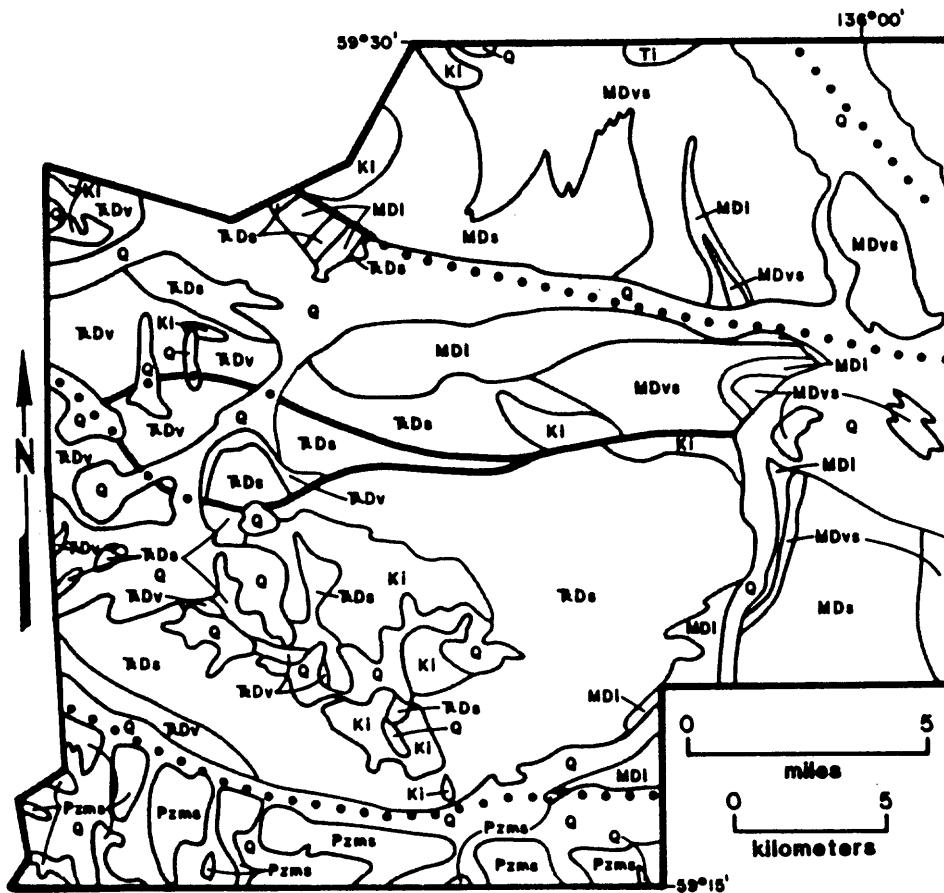


Figure 1. - Location of the Porcupine mining area in the State of Alaska

E X P L A N A T I O N



Q Quaternary Deposits; undifferentiated glaciers, alluvium and glacial deposits.

TI Tertiary Intrusions; granodiorite, quartz diorite and diorite.

KI Cretaceous Intrusions; granodiorite and diorite.

TDv Glacier Creek Volcanics; primarily low-grade metabasalt with subordinate amounts of meta-andesite, metafelsite, metachert and slate.

TDS Porcupine Slate; primarily carbonaceous slate, argillite and phyllite with subordinate limestone.

MDI Porcupine Marble; marble and partially recrystallized limestone.

**MDs
MDvs** Boulder Creek - Four Wind Complex;
MDs- primarily carbonaceous phyllite with subordinate marble.
MDvs- schistose metabasite and metafelsite, phyllite, marble and metachert.

Pzms South Tairku Complex; undifferentiated marble, argillite and minor metabasite.

— Fault, dotted where concealed.

FIGURE 2. - Generalized bedrock geologic map of Porcupine Mining Area
 [Modified from (1) and (2)]

PHYSIOGRAPHY AND CLIMATE

The physiography of the area is rugged with steep glacier-clad mountains and U-shaped glacier formed valleys, some of which still harbor glaciers. The high point, located in the western part of the area, is 7,434 ft at Mt. Henry Clay, and the low point is in the eastern part of the area along the Klehini River at 200 ft elevation. Timberline is at about 2,000 ft with dense brush and lush forests at lower elevations. The area is at the eastern edge of the St. Elias Mountain Range that partially protects it, with a rain shadow effect, from the wet maritime coastal climate. The average annual precipitation is notably less than that at Haines, which is reported at 60 in a year. Long cold winters with snowfall from October to April characterize the area.

ACCESS

The Porcupine mining area is serviced by an all-weather paved highway that extends from the port city of Haines to the Canadian border station at Camp Pleasant. Dirt roads extend from the highway through Moose Valley and up the Chilkat River, along the lower Little Salmon River, to the placer mining camp at Porcupine and to the mouth of Glacier Creek, where a tractor trail (washed out in places) leads to the base of the Main Glacier Creek deposit at an elevation of 3,400 ft. Another tractor trail (now in a state of disrepair) crosses the Klehini River near the border and climbs the west side of the Jarvis Glacier Valley to a gold prospect located in Canada.

LAND STATUS

Land status of the Porcupine mining area is complex. Much of the mining area is currently managed by the U.S. Bureau of Land Management (BLM) or the State of Alaska and is open to mineral entry. According to BLM records, the area contained 5 patented and 444 unpatented placer claims as of July 22, 1985. BLM land status plats should be checked for detailed site specific information before staking claims. Figure 3 shows geographic place names used in this report.

PREVIOUS WORK

In 1969 and 1970, U. S. Geological Survey (USGS) geologists G. R. Winkler and E. M. MacKevett conducted a geochemical sampling program that included the Porcupine mining area. The results were published in 1970 as USGS OFR 406 (3). A preliminary report covering 1983 and 1984 Bureau and ADGGS sampling in the Porcupine mining area was released in 1985 as Bureau OFR 173-84 (4). A companion to this report titled "Distribution, Analysis, and Recovery of Placer Gold from the Porcupine mining area, Southeast Alaska", was published as Bureau OFR 89-86 (5).

PRESENT STUDY

Geology

Figure 2 shows the geology of the area included in this study. It consists of Paleozoic-Triassic slate, phyllite, metavolcanic rocks, and limestone intruded by Early Cretaceous and Early Tertiary diorite and granodiorite. The Porcupine mining area has been mined for placer gold since the turn of the century and contains a number of massive sulfide zinc-silver-barite deposits (6).

Sampling

Four types of materials were collected for analysis: stream sediment, soil, pan concentrate, and rock (rock samples consisted of bedrock material unless otherwise noted). The rock samples were of several types including channel, chip channel, continuous chip, spaced chip, representative chip, random chip, grab, random grab, and select. Grab samples are randomly collected outcrop or float materials and select samples are grab samples of specific material. Random chip samples consist of small rock fragments broken randomly from outcrop while representative chip samples are used to characterize an outcrop. Spaced chip samples are composed of a series of rock fragments taken at a designated interval and continuous chip samples consist of a continuous series of rock fragments taken from the outcrop. Chip channel samples are taken over a relatively uniform width and depth across the outcrop, while channel samples are from a uniform 4 in wide by 2 in deep cut across the outcrop.

All 1985 samples were prepared and analyzed for gold, silver, copper, lead, zinc, and cobalt by a commercial laboratory in Denver, Colorado. Further 34 element emission spectrometer analysis and x-ray barium analysis were conducted by the U.S. Bureau of Mines, Reno Research Center (samples collected in 1983 and 1984 were handled differently, see Appendix A).

Stream sediment samples were dried and screened, with the minus 80 mesh fraction being retained for analysis. After careful panning in the field the pan concentrate samples were pulverized to a nominal minus 150 mesh. Rock samples were crushed to minus 10 mesh, then using standard splitting techniques a 250 gram aliquot was pulverized to a nominal minus 150 mesh.

An atomic absorption spectrophotometer technique, using sample aliquots of 0.5 gram, was used for determinations of silver, copper, lead, cobalt, and zinc. The sample was put into solution using a hot extraction HNO₃-HCl technique.

The type of analytical technique used for Au depended upon the type of sample. In the case of stream sediment and pan concentrate samples, a 20 gram split, if available, was analyzed using a fire assay-atomic absorption spectrophotometer technique. Rock samples routinely were analyzed in a similar manner.

ESTABLISHMENT OF TRACE ELEMENT THRESHOLD VALUES AND THE INTERPRETATION OF GEOCHEMICAL DATA

The location and definition of geochemical anomalies requires the comparison of analyzed values for stream sediment and bedrock samples with normal or worldwide average abundances of the target elements, as adjusted for local or regional background levels. The selection of a "threshold" value, as the crossover point for anomalies, must also consider the limits of detection for each particular element, and the analytical errors associated with the values produced by the various analytical methods.

Average abundance values used for base line data in this report were those given in Rankama and Sahama (7), Connor and Shaklette (8), and Levinson (9).

In an attempt to compare interregional geochemical background parameters, we have also considered the threshold and background values used in geochemical investigations in adjacent areas by the U.S. Geological Survey (10, 11), including reports on the Granite Fiords, Tracy Arm-Fords Terror, and Glacier Bay areas (12, 13).

Table 1 lists the trace elements that were used in the geochemical survey, along with the worldwide average abundance values in the earth's crust, soil, and relevant rock types. Figures 3 through 10 show sample locations.

Analytical Constraints

Several analytical methods were used to determine trace element concentrations in stream sediment and bedrock samples, including emission spectrographic, atomic absorption spectrophotometer, and fire assay techniques. Trace element data must be carefully evaluated in terms of the characteristic detection limits and analytical precision which has been determined for the analysis of various trace elements by the above instrumental methods. In some cases, the average crustal abundance values for certain trace elements are below reliable detection limits for the analytical methods used in this study, and the adjusted anomaly threshold value is based on analytical constraints rather than statistically derived values based on crustal abundance and regional background (see table 2).

Local Versus Regional Geochemical Background

Histograms were constructed from trace element data obtained for stream sediment and bedrock samples, and the statistical parameters of the histograms were compared to similar data derived from geochemical data bases obtained in adjacent areas by the U.S. Geological Survey (e.g. Granite Fiords, Tracy Arm-Fords Terror, and Glacier Bay studies); see table 3.

Comparison of the geochemical data acquired during this study to those reported for other areas in Southeastern Alaska, indicate that the stream sediment samples from the Porcupine mining area are characterized by an unusually high background value for barium. High barium values are due to the dominance of argillaceous bedrock in the headwaters of some of the drainage

TABLE 1. - Average abundance of analyzed trace elements in the earth's crust, soil, and selected rock types (values in ppm).

| <u>Element</u> | <u>Crust</u> | <u>Soil</u> | <u>Shale</u> | <u>Lime-stone</u> | <u>Basalt</u> | <u>Granodiorite</u> |
|-----------------|--------------|-------------|--------------|-------------------|---------------|---------------------|
| Gold (Au) | 0.004 | - | 0.004 | 0.005 | 0.004 | 0.004 |
| Silver (Ag) | 0.070 | 0.100 | 0.050 | 1.000 | 0.100 | 0.070 |
| Zinc (Zn) | 70.000 | 60.000 | 100.000 | 25.000 | 100.000 | 60.000 |
| Copper (Cu) | 55.000 | 25.000 | 50.000 | 15.000 | 100.000 | 30.000 |
| Lead (Pb) | 12.500 | 19.000 | 20.000 | 8.000 | 5.000 | 15.000 |
| Cobalt (Co) | 25.000 | 9.100 | 20.000 | 4.000 | 50.000 | 10.000 |
| Barium (Ba) | 425.000 | 580.000 | 700.000 | 100.000 | 250.000 | 500.000 |
| Tungsten (W) | 1.500 | - | 2.000 | 0.500 | 1.000 | 2.000 |
| Molybdenum (Mo) | 1.500 | 1.000 | 3.000 | 1.000 | 1.000 | 1.000 |
| Tin (Sn) | 2.000 | 1.300 | 4.000 | 4.000 | 1.000 | 2.000 |
| Arsenic (As) | 1.800 | 7.200 | 15.000 | 2.500 | 2.000 | 2.000 |
| Nickel (Ni) | 75.000 | 19.000 | 70.000 | 12.000 | 150.000 | 20.000 |
| Bismuth (Bi) | 0.170 | - | 0.180 | - | 0.150 | - |
| Antimony (Sb) | 0.200 | 0.660 | 1.000 | - | 0.200 | 0.200 |

TABLE 2. - Comparative data showing the effect of detection limits of analytical methods on the derivation of stream sediment anomaly threshold values (values in ppm).

| <u>Element</u> | <u>Average Crustal Abundance</u> | <u>Detection Limits</u> | <u>Threshold Values</u> | <u>Threshold Values This Study</u> |
|----------------|----------------------------------|-------------------------|-------------------------|------------------------------------|
| Gold | 0.004 | 0.001 | 0.004 | any |
| Silver | 0.070 | 0.50 | 0.500 | 0.500 |
| Zinc | 70.000 | 1.000 | 70.000 | 200.000 |
| Copper | 55.000 | 1.000 | 60.000 | 100.000 |
| Lead | 12.500 | 1.000 | 25.000 | 50.000 |
| Cobalt | 25.000 | 1.000 | 25.000 | 50.000 |
| Barium | 425.000 | 50.000 | 425.000 | 1,000.000 |
| Tungsten | 1.500 | 5.000 | 5.000 | NA |
| Molybdenum | 1.500 | 5.000 | 5.000 | 5.000 |
| Tin | 2.000 | 100.000 | 100.000 | 100.000 |
| Arsenic | 1.800 | 200.000 | 200.000 | 200.000 |
| Nickel | 75.000 | 5.000 | 75.000 | 100.000 |
| Bismuth | 0.170 | 10.000 | 10.000 | 10.000 |
| Antimony | 0.200 | 100.000 | 100.000 | 100.000 |

TABLE 3. - Anomaly threshold values for trace metal concentrations in stream sediment samples taken from the Glacier Bay, Tracy Arm-Fords Terror, and Porcupine mining areas (values in ppm).

| <u>Element</u> | <u>Glacier Bay(12)</u> | <u>Tracy Arm-Fords Terror(11)</u> | <u>Porcupine</u> |
|----------------|------------------------|-----------------------------------|------------------|
| Gold | 0.050 | 0.100 | any |
| Silver | 0.500 | 0.70 | 0.50 |
| Zinc | 200.000 | 200.000 | 200.000 |
| Copper | 150.000 | 100.000 | 100.000 |
| Lead | 50.000 | 50.000 | 50.000 |
| Cobalt | 70.000 | - | 50.000 |
| Barium | - | - | 1,000.000 |
| Tungsten | - | - | 5.000 |
| Molybdenum | 7.000 | 10.000 | 10.000 |
| Tin | 10.000 | 10.000 | 10.000 |
| Arsenic | 200.000 | 300.000 | 200.000 |
| Nickel | 150.000 | 150.000 | 100.000 |
| Bismuth | - | - | - |
| Antimony | - | - | 100.000(any) |

systems, in addition to clastic sediment derived from known volcanogenic barite-sulfide deposits in the area. Therefore, the anomaly threshold values for barium in stream sediments and argillaceous rocks have been increased over those used in previous geochemical surveys of other areas in Southeastern Alaska.

Anomalous Versus Highly Anomalous Trace Element Concentrations

As shown in table 4, two anomaly thresholds have been established for trace element values in specified rock types and stream sediment samples. This system has been previously used by the U.S. Geological Survey in other Southeastern Alaska studies to identify anomalies that are defined by trace element concentrations that are well above anomaly threshold values ("anomalous") versus anomalous values that are at the far end of the distribution curve ("highly anomalous").

Sample Types and the Use of Anomaly Threshold Values

The identification of anomalous trace element values in stream sediment and rock samples, through the use of established threshold values, assumes that the samples are collected without prejudice. Pan concentrates and grab samples which were selected on the basis of visible sulfides and native metals were not included in the sample base that was used for statistical analyses, adjustments of regional or areal background values, and the establishment of anomaly thresholds.

The treatment of analytical data for vein quartz samples requires a different approach, as barren quartz is highly depleted in most trace metals, with many values below average crustal abundance and analytical detection limits. Inspection of trace metal concentrations obtained for vein quartz without visible native metals or sulfides, obtained from the Porcupine mining area, indicates that barren quartz samples included in this study follow the usual depletion pattern, with trace metal values that are frequently below detection limits and/or crustal abundance levels. One approach would be to consider any trace metal concentration which was well above the applicable detectability limit as anomalous. However, many quartz veins sampled by this study contain visible mineralization or staining. Due to insufficient data on background values in vein quartz without visible mineralization or staining, and analytical error, we have elected to use the adjusted values of bedrock thresholds shown in table 4 as threshold values for vein quartz samples.

ANOMALOUS AREAS AND SAMPLES

For the purpose of discussing anomalous areas and samples, the Porcupine mining area is subdivided as follows: (see figure 2)

1. Glacier Creek Volcanics (TrDv): Consisting of metabasalt and subordinate meta-andesite, metafelsite, metachert, and slate that form a volcanic pile located between the Alaska-British Columbia border to the west, Glacier Creek to the east, and Boundary Glacier to the southeast. Also included are the three embayments of volcanic rock that are located north of the Tsirku River and extend as far east as the head of Porcupine Creek.

TABLE 4. -Anomalous and highly anomalous threshold values for trace metals in rocks and stream sediments from the Skagway quadrangle, Alaska
(values in ppm).

| Element | Meta-Sediments | | | | Mafic Igneous Rocks | | | | Vein Quartz | | Stream Sediments | | |
|---------|--------------------|-----|-----------|-----|---------------------|-----|------|-----|-------------|-----|------------------|------|------------------|
| | Argillaceous Rocks | | (Schists) | | Carbonates | | | | A | HA | A | HA | |
| Au | Any | 1.0 | Any | 1.0 | Any | 1.0 | | Any | 1.0 | Any | 1.0 | Any | 0.1 |
| Ag | 0.6 | 3.0 | 0.5 | 3.0 | 1.0 | 3.0 | | 0.5 | 3.0 | 0.6 | 3.0 | 0.5 | 1.0 |
| Zn | 200 | 500 | 150 | 500 | 150 | 500 | | 160 | 500 | 160 | 500 | 200 | 700 |
| Cu | 100 | 400 | 150 | 400 | 75 | 400 | | 180 | 400 | 150 | 400 | 100 | 150 |
| Pb | 35 | 200 | 50 | 200 | 30 | 200 | | 25 | 200 | 50 | 200 | 50 | 100 |
| Co | 25 | 150 | 50 | 150 | 30 | 150 | | 80 | 150 | 80 | 150 | 50 | N/A ³ |
| Ba | 2500 | | 500 | | 500 | | 1000 | | 1000 | | 1000 | 2000 | |
| W | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | N/A | |
| Mo | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | N/A | |
| Sn | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | 500 | |
| As | 200 | | 200 | | 200 | | 200 | | 200 | | 200 | N/A | |
| Ni | 100 | | 100 | | 100 | | 100 | | 100 | | 100 | 400 | |
| Bi | N/A | | N/A | | N/A | | N/A | | N/A | | N/A | N/A | |
| Sb | 100 | | 100 | | 100 | | 100 | | 100 | | 100 | | |

1 Anomalous

2 Highly Anomalous

3 Not Applicable

2. Porcupine Slate and Porcupine Marble (TrDs, MDI): Consists predominately of slate, argillite, and phyllite overlying marble and a small portion of the Four Winds Complex north of the Little Salmon River. This area is mostly bounded by the Boundary Glacier and Glacier Creek to the west, by the Tsirku River to the south and east, and by the Klehini River to the north.
3. Boulder Creek-Four Winds Complex (MDs/MDVs): Carbonaceous phyllite, metabasite, metafelsite, marble and metachert. This area is north of the Klehini River and east of the lower (north flowing) Tsirku River.
4. South Tsirku Complex (PzMs): Consists predominately of marble, argillite, and metabasalt. This area is bounded by the Tsirku River to the north and the south edge of the Skagway B-4 quadrangle to the south.

Only the most prominent anomalous areas and samples are discussed. There are numerous anomalous samples and areas throughout areas 1 to 3 listed above, and some of these may prove to be more important than those discussed. The reader is referred to the maps showing locations of anomalous samples (figures 3-10) and the analytical tables located in Appendix A.

Glacier Creek Volcanics

All the known volcanogenic barite-sulfide deposits in the Porcupine mining area are located in the Glacier Creek Volcanics (figure 3, locations A, B, C, D, E, F, and G). These deposits contain zinc, silver, lead, barium, and copper as commodities and also contain trace amounts of gold, arsenic, and tin. Also, located in Canada 50 miles to the northwest in similar volcanic rocks is the Windy Craggy deposit, a world class volcanogenic copper-cobalt-gold massive sulfide deposit (3).

Rock samples from the Glacier Creek Volcanics are anomalous in gold, silver, zinc, copper, lead, cobalt, barium, arsenic, tin, nickel, and antimony whereas stream sediment samples collected in the area are anomalous in gold, silver, zinc, copper, lead, and cobalt. These anomalous samples are mostly from areas that are known to contain mineral occurrences or from the streams that drain them. The most prominent anomalous samples are float samples numbers 253 and 254 collected on the north side of Boundary Glacier. Number 253 is highly anomalous in copper while 254 is highly anomalous in copper and cobalt.

Porcupine Slate and Porcupine Marble

The Porcupine Slate and Porcupine Marble contain three known vein gold prospects (figure 3, locations J, K, and L). Two of these, location J and K, contain significant gold in slate. The area also contains two vein silver-base metal prospects (figure 3, locations M and N), and a copper-cobalt skarn containing traces of gold and arsenic (discovered by this study) (figure 3, location H) hosted in sediments adjacent to a diorite intrusive. The world class Greens Creek volcanogenic gold-silver-lead-zinc-copper deposit hosted in

sedimentary, volcanic-associated rocks is located 80 miles to the south. The geologic setting of the area suggests potential for sedimentary hosted volcanogenic type deposits. Glacier, Porcupine, Cahoon, McKinley, Cottonwood, and Nugget Creeks have produced placer gold, and numerous other creeks in the area have placer gold prospects.

Rock samples collected in the area are anomalous in gold, silver, zinc, lead, copper, cobalt, tungsten, molybdenum, tin, arsenic, nickel, bismuth, and antimony, while stream sediment samples are anomalous in gold, silver, zinc, copper, lead, cobalt, barium, tin, arsenic, nickel, and antimony. There are numerous highly anomalous gold and zinc rock and stream sediment samples, both scattered across the area and clustered in specific areas. Areas with a clustering of anomalous and highly anomalous zinc or gold samples are as follows:

1. The belt of rock located in the vicinity of the lower portions of McKinley, Cahoon, and Porcupine Creeks contains three highly anomalous and numerous anomalous bedrock gold samples. This is also reflected in numerous anomalous stream sediment gold samples collected from the area of maximum gold placer production in the Porcupine area.
2. Summit Creek and the headwaters of Nugget and McKinley Creeks and the Little Salmon River contain seven stream sediment samples highly anomalous in zinc. The lower portions of Porcupine Creek and the Porcupine road area also contain numerous highly anomalous zinc stream sediment samples.

Other areas of notable interest are as follows:

3. The area between the Boundary and Tsirku Glaciers contains stream sediment samples highly anomalous in zinc, barium, and tin and a bedrock sample highly anomalous in cobalt (figure 10, sample numbers 147 and 148, and figure 6, sample number 284).
4. Stream sediment sample 161 (figure 9) collected from a stream draining into the north side of the Tsirku River contained 2.1 ppm gold. A float sample of iron-stained quartz (figure 8, sample number 308) and another stream sediment sample (figure 9, sample number 165) from the same stream each contained 0.005 ppm gold.
5. Float and bedrock samples collected at the head of Porcupine Creek in the vicinity of prospect location L (figures 5 and 6, sample numbers 258-274) are highly anomalous in gold, silver, copper, cobalt and are anomalous in tin. Float sample 267 (figure 8), collected at the head of Porcupine Creek, contained 49 ppm gold, 74 ppm silver and 1 percent copper.

Boulder Creek-Four Winds Complex

The Boulder Creek-Four Winds Complex contains a vein gold prospect (figure 3, location I). Big and Little Boulder Creeks have been prospected for placer gold, but production is not significant according to historical records.

Stream sediment samples collected across the area (figure 9, sample numbers 13, 18, 27, 28, 30, and 41) are highly anomalous in gold. Stream sediment samples 14, 20, 44 and 45 (figure 10) are highly anomalous in either lead or copper and are anomalous in cobalt. Float rock samples 34, 35, 38, 47, and 73 (figure 8) are highly anomalous in one or more of the following elements: gold, zinc, copper or cobalt. Bedrock samples (figure 6) collected near Mt. Cheetdeekahya (38, 39), near VABM 4897 (51, 53), near Mosquito Lake (57, 61) and near Muncaster Creek are highly anomalous in one or more of the following elements: zinc, copper, lead or cobalt. Bedrock samples collected across the area are anomalous in gold.

South Tsirku Complex

Prospects are not reported in the rugged glacier clad mountains located between Glacier Bay National Park and the Tsirku River. However, the area is little explored.

Stream sediment samples collected from streams flowing into the south side of the Tsirku River are anomalous to highly anomalous in gold (figure 9, sample numbers 159, 160, 166, 169, and 170.) One sample (160) was also anomalous in tungsten.

CONCLUSIONS

Results of sampling in the Porcupine mining area indicate elevated zinc, gold, and barium values, particularly in the Porcupine Slate and Porcupine Marble area. A large number of samples containing anomalous and highly anomalous values of base metals and gold were collected. Geochemical results indicate that the area may contain a variety of deposit types. These include: zinc-silver-lead-barium volcanogenic massive sulfide, or base and precious metal vein deposits in the Glacier Creek Volcanics, Porcupine Slate, and Porcupine Marble; sedimentary hosted large tonnage low-grade gold deposits in the Porcupine Slate; gold-bearing copper-cobalt skarn deposits in the Tertiary and Cretaceous intrusive contacts; base metal massive sulfide and base and precious metal vein deposits in the Four Winds Complex, and precious metal skarn deposits in the South Tsirku Complex. Much of the area is little explored and constitutes a target for the discovery of new mineral deposits.

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APPENDIX A

Analytical Results, Rock, Rubblecrop, and Float Rock Samples

Analytical Results Table Abbreviations

- | | |
|--------------------------|----------------------|
| 1. C - continuous chip | R - rubble |
| CC - chip channel | RC - random chip |
| CH - channel | RG - random grab |
| CR - representative chip | S - select |
| F - float | SC - spaced chip |
| G - grab | SS - stream sediment |
| PC - pan concentrate | |
2. Au, Ag analyses were by fire assay-inductively coupled plasma analysis (ICP), or by fire assay.
3. Zn, Pb analyses were by atomic absorption spectroscopy (AAS) while Cu, Co analyses were by ICP.
4. Ba analysis was by X-ray diffraction.
5. Mo, Sn, As, Ni, Bi, and Sb analyses were by semi-quantitative spectrographic analysis.

1983 - 1984 Sample analyses by U.S. Bureau of Mines, Reno Research Center, Reno Nevada.

1985 Sample analyses by a commercial laboratory in Lakewood, Colorado.

Units of Measure Abbreviations Used

ppm = Parts Per Million N = Not Detected % = Percent - = Not Analyzed

Rock and Mineral Abbreviations Used

| | | | | | |
|------------------|----------------|-------|-----------------|------|--------------|
| az | - azurite | hem | - hematite | phy | - phyllitic |
| ba | - barite | hnbd | - hornblende | po | - pyrrhotite |
| calc | - calcite | hornf | - hornfels | py | - pyrite |
| cont | - contact | lmst | - limestone | qtz | - quartz |
| cp | - chalcopyrite | mag | - magnetite | sed | - sediment |
| fest | - iron-stained | mbl | - marble | ser | - sericite |
| gn | - galena | meta | - metamorphosed | sl | - sphalerite |
| gnst | - greenstone | ml | - malachite | sulf | - sulfide |
| graph | - graphitic | moly | - molybdenite | volc | - volcanic |
| H ₂ O | - water | musc | - muscovite | | |

Additional Abbreviations

dissem = disseminated w/ = with Fe = iron st = stained

Porcupine Mining Area Rock, Rubblecore and Float Rock Samples

| Map
No. | Sample
No. | Size
Feet | Sample
Type | Fire | | Atomic Absorption | | | | | X-Ray | Spectrographic
(ppm) | | | | | | | Lith. & Remarks |
|------------|---------------|--------------|----------------|-----------------|-----------|-------------------|-----------|-----------|-----------|-----------|---------|-------------------------|-----------|-----------|-----------|-----------|-----------|------------------------------------|-----------------|
| | | | | Sample
Assay | Au
ppm | Ag
ppm | Zn
ppm | Cu
ppm | Pb
ppm | Co
ppm | Ba
% | W
ppm | Mo
ppm | En
ppm | As
ppm | Ni
ppm | Si
ppm | St
ppm | |
| | | | | | | | | | | | | (not unless marked %) | | | | | | | |
| 1 | 4ER189 | - | G | N | 0.40 | 65 | 87 | 43 | 4 | 0.053 | - | 3 | - | N | 3 | - | N | Altered vein & mbl fe st w/ py | |
| 2 | 191 | - | G | N | 0.10 | 51 | 37 | 4 | 9 | 0.020 | - | 3 | - | N | - | N | N | Fe st argillite w/ some py. | |
| 3 | AJ5SV005 | - | G | 0.015 | 0.70 | 107 | 228 | 19 | 55 | 0.300 | N | N | N | N | 100 | N | N | Altered gnst w/ py, po | |
| | 6 | 10x10 | CR | 0.005 | 0.30 | 56 | 151 | 13 | 37 | 0.090 | N | N | N | N | 60 | N | N | Altered vein w/ sparce py, po | |
| 4 | 7 | - | R | 0.010 | 0.40 | 32 | 48 | 23 | 1 | 0.008 | N | N | 100 | N | 20 | N | N | Mbl, metased w/ 0.1 ft band of py | |
| 5 | 8 | - | F | 0.095 | 122.74 | 7 | 6 | 2.53% | 5 | 0.030 | N | N | N | N | 7 | N | N | Qtz w/ gn | |
| 6 | 9 | - | F | N | 3.00 | 2.44% | 40 | 231 | 14 | 0.020 | N | N | 30 | N | N | N | N | Qtz w/ sl, gn | |
| 7 | 11 | 2.50 | CR | N | 0.80 | 160 | 132 | 26 | 63 | 0.030 | - | N | N | N | 20 | N | N | Qtz, altered volc,gossan w/ po | |
| | 12 | 0.60 | G | N | 0.60 | 166 | 220 | 21 | 83 | 0.020 | N | N | 100 | N | 30 | N | N | Qtz lens w/ po | |
| 8 | 14 | 2.00 | CR | N | 0.50 | 328 | 41 | 29 | 11 | 1.000 | N | N | N | N | 10 | N | N | Brecciated shale, qtz, schist lens | |
| 9 | 15 | - | G | N | 0.20 | 59 | 36 | 20 | 31 | 0.100 | - | N | N | N | 30 | N | N | Locs w/ qtz, maraposite, fe st | |
| | 16 | 4.00 | CR | N | 0.30 | 121 | 37 | 18 | 6 | 0.060 | - | N | N | N | 20 | N | N | Shale | |
| 10 | 3S132 | - | G | N | N | 100 | 29 | N | 27 | N | - | - | - | - | - | - | - | Andesite | |
| 11 | 133 | - | G | N | N | 16 | 5 | N | N | - | - | - | - | - | - | - | - | Jasper in andesite w/ mag | |
| 12 | 130 | - | G | N | 0.44 | 20 | 8 | N | N | 0.020 | - | - | - | - | - | - | - | Jasper in andesite w/ mag | |
| 13 | 134 | - | RG | N | N | 90 | 160 | N | 78 | - | - | - | - | - | - | - | - | Altered andesite | |
| 14 | 136 | - | RG | N | N | 140 | 42 | N | 74 | 0.020 | - | - | - | - | - | - | - | Diorite w/ mag | |
| 15 | 61 | - | G | N | N | N | 130 | N | 47 | - | - | - | - | - | - | - | - | Felsite w/ py | |
| | 62 | - | S | 0.013 | N | N | 49 | N | 53 | - | - | - | - | - | - | - | - | Felsite w/ py | |
| | 63 | - | G | N | N | N | 330 | N | 30 | - | - | - | - | - | - | - | - | Calc vein w/ po | |
| 16 | 60 | - | F | 0.008 | N | 410 | 12 | 58 | 40 | - | - | - | - | - | - | - | - | Schist w/ po | |
| 17 | 54 | - | G | N | 0.72 | 4 | 16 | N | 5 | - | - | - | - | - | - | - | - | Schist | |
| | 55 | - | G | 0.191 | N | N | N | N | 1 | - | - | - | - | - | - | - | - | Last | |
| | 57 | - | G | N | N | N | 15 | N | 3 | - | - | - | - | - | - | - | - | Metased | |
| | 58 | - | G | N | N | N | 25 | N | 1 | - | - | - | - | - | - | - | - | Metased | |
| | 59 | - | G | N | 0.39 | N | 99 | N | 34 | - | - | - | - | - | - | - | - | Fault gouge | |
| 18 | 51 | - | G | 0.109 | 0.41 | N | 91 | N | 21 | - | - | - | - | - | - | - | - | Metased | |
| | 52 | - | G | 0.316 | N | 17 | 170 | N | 25 | - | - | - | - | - | - | - | - | Metased | |
| | 53 | - | G | 0.066 | 0.47 | 20 | 95 | N | 31 | - | - | - | - | - | - | - | - | Gossan | |
| 19 | 88 | - | F | N | N | N | 340 | N | 50 | - | - | - | - | - | - | - | - | Qtz w/ cp | |
| 20 | 4W678 | - | G | 0.010 | 0.60 | 231 | 40 | 17 | 5 | 0.360 | - | - | - | - | - | - | - | Fe st hornf, calc, siltstone w/ py | |
| 21 | 74 | - | G | 0.015 | 0.70 | 80 | 22 | 33 | 21 | 0.450 | - | 9 | - | 21 | 18 | - | N | Fe st argillite w/ py | |
| 22 | 202 | - | G | N | 0.40 | 44 | 129 | 12 | 15 | - | - | 26 | - | N | 57 | - | N | Phy black argillite | |
| 23 | 35091 | - | RG | N | N | 93 | 34 | 66 | 19 | - | - | - | - | - | - | - | - | Schist w/sulf | |
| 24 | 56V2676 | - | G | 0.010 | 0.80 | 55 | 98 | 15 | 5 | 0.177 | N | N | N | N | N | N | N | Sulf pod in schist | |
| | 2677 | - | G | N | N | 96 | 6 | 5 | 1 | 0.299 | N | N | N | N | N | N | N | Metafelsite w/ sulf | |
| | AJ5WVB65 | 0.30 | S | 0.010 | 0.70 | 54 | 135 | 23 | 4 | - | - | - | - | - | - | - | - | Sulf pod in schist | |
| 25 | AJ5SV319 | 20.00 | CR | N | N | 12 | N | 9 | 7 | 0.032 | N | N | N | N | N | N | N | Felsic dike | |
| | 321 | - | CR | N | N | 24 | 36 | 11 | 12 | 0.017 | N | N | N | N | N | N | N | 900 Qtz vein | |
| | 322 | 2.00 | CR | N | N | 80 | 32 | 7 | 17 | 0.052 | N | N | N | N | 10 | N | N | 2000 Slate | |

| Map No. | Sample No. | Sample Size
Feet | Sample Type | Fire Assay | | Atomic Absorption
(ppm unless marked %) | | | | X-Ray | | Spectrographic
(ppm) | | | | | | |
|---------|------------|---------------------|-------------|------------|--------|--|--------|--------|--------|--------|-------|-------------------------|--------|--------|--------|--------|--------|------------------------------------|
| | | | | Au ppm | Ag ppm | Zn ppm | Cu ppm | Fe ppm | Co ppm | Ba ppm | W ppm | Mo ppm | Sn ppm | As ppm | Ni ppm | Bi ppm | Sb ppm | |
| 26 | 325 | 0.40 | C | N | N | 16 | 5 | 12 | 7 | N | N | N | 20 | N | 10 | N | N | Qtz vein |
| | 326 | 2.00 | R | N | N | 68 | 116 | 18 | 37 | 0.070 | N | N | N | N | 100 | N | N | Slate |
| | 327 | - | F | 0.005 | N | 51 | 90 | 5 | 13 | 0.025 | N | N | N | N | N | N | N | Qtz vein |
| 27 | 4W6182 | - | G | N | 0.30 | 110 | 41 | 8 | 7 | - | - | 3 | - | N | 20 | - | N | Slate |
| | AJ5SV340 | 2.00 | CR | N | N | 83 | 12 | 3 | 2 | - | - | - | - | - | - | - | - | Fe st brecciated slate |
| 28 | 341 | 0.70 | CR | N | N | 10 | 55 | 10 | 3 | - | - | - | - | - | - | - | - | Qtz vein w/ py |
| | 25 | - | CR | N | 0.20 | 44 | 8 | 15 | 3 | 0.050 | - | N | N | N | 10 | N | N | Qtz, calc, mica |
| | 26 | - | F | N | N | 43 | 23 | 12 | 5 | 0.050 | - | N | N | N | 10 | N | N | Qtz, calc, mica |
| 29 | 27 | - | S | 0.010 | 0.60 | 15 | 168 | 11 | 58 | 0.008 | N | N | 80 | N | 20 | N | N | Qtz, calc w/ po, sulf |
| | 4W6187 | - | G | 0.045 | 0.10 | 19 | 59 | 4 | 12 | 0.014 | - | 4 | - | N | 54 | - | N | Qtz-calc veinlet in graph phyllite |
| | 3S038 | - | F | 0.022 | N | N | 52 | N | 12 | 0.300 | N | N | N | N | 20 | N | N | Qtz vein w/ po |
| 32 | 36 | - | F | 0.023 | N | 23 | 99 | N | 29 | 0.200 | N | N | N | N | 10 | N | N | Shale breccia |
| | 37 | - | F | N | N | N | 130 | N | 11 | 0.300 | N | N | N | N | 20 | N | N | Gossan breccia |
| | 40 | - | F | N | 0.35 | N | 110 | N | 27 | 0.300 | N | N | N | N | 10 | N | N | Gossan |
| 33 | 45 | - | F | 0.017 | 0.59 | 170 | 41 | N | 10 | 2.000 | N | N | N | N | 10 | N | N | Qtz w/ inclusions, po |
| | 47 | - | F | 2.598 | 0.47 | 270 | 40 | N | 4 | - | - | - | - | - | - | - | - | Argillite w/ po |
| 35 | 49 | - | F | 2.182 | N | N | 16 | N | 26 | 0.010 | N | N | N | N | 30 | N | N | Porphyritic andesite |
| | 5S9V2835 | - | F | 0.005 | N | 28 | 49 | 27 | 13 | 0.111 | N | N | N | N | N | N | N | Fe st metafelsite w/ dissems po |
| | 2638 | - | G | N | 0.30 | 8 | 45 | 18 | 4 | 0.108 | N | N | N | N | 10 | N | N | Metafelsite w/ py |
| 38 | 2636 | - | F | 0.015 | 0.40 | 19 | 415 | 27 | 61 | 0.055 | N | N | N | N | N | N | N | Metafelsite w/ heavy sulf |
| | 2637 | - | F | 0.025 | 0.50 | 34 | 490 | 21 | 94 | 0.095 | N | N | N | N | N | N | N | Metafelsite w/ heavy sulf |
| | 2640 | - | G | 0.055 | 1.30 | 30 | 107 | 10 | 336 | 0.043 | N | N | N | N | N | N | N | Metafelsite w/ 0.2 ft layers sulf |
| 39 | 2641 | - | G | N | N | 40 | 84 | 28 | 11 | N | N | N | N | N | 10 | N | N | Qtz vein in metafelsite |
| | AJ5SV302 | 1.60 | C | 0.030 | N | 61 | 172 | 11 | 22 | 0.050 | N | N | N | N | N | N | N | Qtz vein |
| | 303 | 0.30 | CR | 0.010 | N | 75 | 755 | 6 | 48 | 0.017 | N | N | N | N | N | N | N | Gossan |
| 40 | 56V2639 | - | R | 0.005 | 0.30 | 13 | 21 | 35 | 11 | 0.034 | N | N | N | N | N | N | N | Metafelsite |
| | AJ5SV304 | 1.00 | CR | 0.010 | N | 26 | 77 | 9 | 25 | 0.152 | N | N | N | N | N | N | N | Qtz-ser schist w/ py |
| 41 | 4W687 | - | G | 0.015 | 0.80 | 80 | 44 | 10 | 2 | 0.079 | - | 5 | - | N | 12 | - | N | Graph mafic schist |
| | 90 | - | G | N | 0.10 | 12 | 20 | 4 | 4 | N | - | 2 | - | N | 10 | - | N | Qtz vein |
| 43 | AJ5WV848 | 9.00 | CR | 0.015 | 0.30 | 42 | 25 | 32 | 6 | 0.078 | N | N | N | N | N | N | N | Qtz-ser schist w/ sulf |
| | 851 | 3.00 | F | 0.010 | N | 26 | 323 | 9 | 93 | 0.007 | N | N | N | N | 300 | N | N | Hornblendite w/ sulf |
| 45 | 888 | - | F | 0.040 | 0.80 | 182 | 76 | 76 | 23 | - | - | - | - | - | - | - | - | Qtz-mica schist w/ sulf |
| | 889 | - | F | N | 0.30 | 27 | 128 | 80 | 11 | - | - | - | - | - | - | - | - | Qtz w/ sulf |
| 47 | 3S010 | - | F | N | 0.45 | 870 | 400 | 100 | 16 | - | - | - | - | - | - | - | - | Schist w/ fe st |
| | 3S015 | - | F | N | 0.47 | 65 | 49 | N | 6 | - | - | - | - | - | - | - | - | Phyllite w/ dissems po |
| 49 | 13 | - | C | N | 0.39 | N | 130 | N | 18 | - | - | - | - | - | - | - | - | Qtz vein in phyllite w/ py |
| | 18 | - | F | 0.016 | 0.88 | N | 140 | N | 15 | - | - | - | - | - | - | - | - | Qtz w/ py |
| 51 | 56V2644 | - | R | N | 0.60 | 17 | 182 | 15 | 23 | N | N | N | 60 | N | 10 | N | N | Qtz vein w/ py in vugs |
| | 2645 | - | G | 0.005 | 2.50 | 1120 | 28 | 810 | 12 | 0.039 | N | N | N | N | N | N | N | Felsic schist w/ gn |
| 52 | 2646 | - | G | N | N | 89 | 62 | 17 | 18 | 0.073 | N | N | N | N | 10 | N | N | Fe st felsic schist |
| | 2647 | - | G | 0.015 | 0.80 | 120 | 52 | 400 | 8 | 0.066 | N | N | N | N | N | N | N | Qtz-schist w/ sulf, feldspar |

| Map
No. | Sample
No. | Size
Feet | Sample
Type | Fire
Assay | Atomic Absorption
(ppm unless marked %) | | | | | | X-Ray | | Spectrographic
(ppm) | | | | | |
|------------|---------------|--------------|----------------|---------------|--|-----------|-----------|-----------|-----------|-----------|---------|----------|-------------------------|-----------|-----------|-----------|-----------|---------------------------------|
| | | | | | Au
ppm | Ag
ppm | Zn
ppm | Cu
ppm | Pb
ppm | Co
ppm | Ba
% | W
ppm | Mo
ppm | Sr
ppm | As
ppm | Ni
ppm | Bi
ppm | Sc
ppm |
| 54 | 5WV1505 | - | G | N | 0.40 | 8 | 9 | 19 | 9 | 0.011 | N | N | N | N | N | N | N | Lmst w/ sulf |
| 55 | 1502 | - | G | N | 0.20 | 83 | 47 | 33 | 13 | 0.018 | N | N | N | N | 8 | N | N | Schist/slate w/ sulf |
| 56 | 1506 | - | G | N | 0.30 | 7 | 7 | 14 | 7 | N | N | N | N | N | N | N | N | Lmst w/ sulf |
| 57 | 3S233 | - | G | N | N | 220 | 190 | 500 | N | N | - | - | - | - | - | - | - | Phyllite w/ py |
| | 234 | - | G | N | 0.43 | 140 | 38 | N | 120 | N | - | - | - | - | - | - | - | Qtz-nnbd phyllite w/ po |
| 58 | 232 | - | G | N | 0.95 | 85 | 40 | N | N | 0.020 | - | - | - | - | - | - | - | Calc phyllite w/ po, py |
| 59 | 214 | - | G | N | N | 49 | 30 | N | N | 0.040 | - | - | - | - | - | - | - | Lat w/ py |
| | 215 | - | R6 | N | N | 81 | 11 | N | N | 0.030 | - | - | - | - | - | - | - | Gneiss |
| 60 | 180 | - | G | N | N | 130 | 27 | N | 41 | N | - | - | - | - | - | - | - | Phyllite |
| | 181 | - | F | N | N | 120 | 320 | N | 57 | N | - | - | - | - | - | - | - | Phy-amphibolite w/ po, cp, al |
| 61 | AJ5WV866 | 0.40 | C | N | N | 47 | 8 | 13 | 7 | - | - | - | - | - | - | - | - | Qtz vein |
| | 867 | 0.05 | G | N | 2.40 | 180 | 1110 | 25 | 262 | - | - | - | - | - | - | - | - | Sossan w/ sulf |
| 62 | 3S182 | - | F | N | N | 34 | N | N | N | N | - | - | - | - | - | - | - | Qtz-calc vein w/ ml |
| | 183 | - | G | N | 1.44 | 120 | 11 | N | 68 | N | - | - | - | - | - | - | - | Calc vein w/ ml, az |
| 63 | 213 | - | G | N | N | 190 | 40 | N | 51 | N | - | - | - | - | - | - | - | Basalt |
| 64 | 173 | - | G | N | N | 120 | 43 | N | 51 | N | - | - | - | - | - | - | - | Amphibolite |
| 65 | 174 | - | G | N | N | 83 | 40 | N | N | 0.030 | - | - | - | - | - | - | - | Hornblendite dike |
| 66 | 178 | - | G | N | N | 150 | 30 | N | 51 | 0.020 | - | - | - | - | - | - | - | Amphibolite |
| | 179 | - | C | 0.033 | N | 19 | 62 | N | N | N | - | - | - | - | - | - | - | Qtz vein w/ cp |
| 67 | 5GV2573 | - | G | N | N | 10 | 51 | N | 1 | - | - | - | - | - | - | - | - | Qtz vein |
| 68 | 3S172 | - | G | N | N | 26 | N | N | N | 0.020 | - | - | - | - | - | - | - | Qtz-musc phyllite |
| 69 | 177 | - | G | N | N | 76 | N | N | 41 | N | - | - | - | - | - | - | - | Amphibolite |
| 70 | 175 | - | G | N | N | 180 | 30 | N | N | 0.020 | - | - | - | - | - | - | - | Metased |
| 71 | 176 | - | G | N | N | 120 | 32 | N | N | 0.030 | - | - | - | - | - | - | - | Metased |
| 72 | 95 | - | G | N | N | 24 | 39 | 84 | 45 | - | - | - | - | - | - | - | - | Schist |
| 73 | 97 | - | F | 0.165 | 1.88 | N | 1500 | 70 | 360 | - | - | - | - | - | - | - | - | Qtz w/ po, cp |
| 74 | AJ5WV971 | 5.00 | CR | N | N | 19 | 9 | 17 | N | N | N | N | N | N | 8 | N | N | Lmst and siltstone |
| 75 | 970 | 5.00 | CR | N | N | 72 | 13 | 12 | 5 | 0.009 | N | N | N | N | N | N | N | Brecciated lsm & schist w/ sulf |
| | 5GV2674 | - | G | N | N | 51 | 31 | 37 | 6 | 0.061 | N | N | N | N | 10 | N | N | Felsic schist |
| 76 | 3S092 | - | G | N | N | N | 50 | 47 | 65 | - | - | - | - | - | - | - | - | Schist |
| | 93 | - | F | N | N | N | 6 | N | 65 | - | - | - | - | - | - | - | - | Qtz vein w/ po |
| | 99 | - | G | N | N | 150 | 66 | 250 | 49 | - | - | - | - | - | - | - | - | Qtz vein w/ sulf |
| | AJ5WV966 | 1.00 | G | N | N | 79 | 44 | 14 | 15 | 0.032 | N | N | N | N | 20 | N | N | Yellow schist w/ sulf |
| | 967 | 0.30 | CR | N | 0.30 | 18 | 32 | 15 | 11 | N | N | N | N | N | 10 | N | N | Qtz knot in schist w/ sulf |
| | 968 | 5.00 | CR | N | 0.70 | 68 | 49 | 26 | 10 | 0.135 | N | N | N | N | 20 | N | N | Slate |
| | 969 | 5.00 | SC | N | N | 17 | 7 | 23 | 2 | 0.007 | N | N | N | N | N | N | N | Lmst w/ some sulf |
| 77 | 964 | 5.00 | CR | N | 0.20 | 50 | 22 | 17 | 14 | 0.025 | N | N | N | N | 20 | N | N | Schist |
| | 965 | 0.20 | CR | N | 0.20 | 6 | 11 | 6 | 4 | N | N | N | N | 10 | N | N | Qtz vein | |
| 78 | 962 | 5.00 | CR | N | 0.40 | 69 | 55 | 14 | 12 | 0.006 | N | N | N | N | 8 | N | N | Schist w/ some sulf |
| | 963 | 0.20 | CR | N | N | 6 | 16 | 8 | 5 | N | N | N | N | N | N | N | Qtz vein | |
| 79 | 961 | 10.00 | CR | N | 0.20 | 40 | 75 | 12 | 11 | 0.008 | N | N | N | N | 10 | N | N | Schist w/ some sulf |

| Map No. | Sample No. | Size | Sample Type | Fire Assay | | Atomic Absorption (ppm unless marked %) | | | | X-Ray Rat. | | Spectrographic (ppm) | | | | | | |
|---------|------------|-------|-------------|------------|--------|---|--------|--------|--------|------------|-------|----------------------|--------|--------|--------|--------|--------|----------------------------------|
| | | | | Au ppm | Ag ppm | In ppm | Cu ppm | Pb ppm | Co ppm | Ba % | W ppm | Mo ppm | Sn ppm | As ppm | Ni ppm | Si ppm | Sb ppm | |
| 80 | 1507 | - | G | N | N | 70 | 100 | 6 | 21 | 0.026 | N | N | N | N | 10 | N | N | Snale w/ sulf |
| 81 | 960 | 5.00 | CR | N | N | 60 | 74 | 8 | 13 | 0.026 | N | N | N | N | 10 | N | N | Schist |
| 82 | 959 | 5.00 | CR | N | 0.20 | 46 | 128 | 12 | 13 | 0.015 | N | N | N | N | 10 | N | N | Schist w/ some sulf |
| 83 | 958 | 5.00 | CR | N | 0.30 | 74 | 61 | 17 | 15 | 0.070 | N | N | N | N | 20 | N | N | Slate w/ dikes & qtz veins |
| 84 | 3E017 | - | G | N | N | 56 | 38 | N | N | N | - | - | - | - | - | - | - | Altered dacite w/ py |
| | SGV26B2 | - | G | N | N | 11 | 16 | 6 | 15 | 0.018 | N | N | N | N | 10 | N | 1000 | Metafelsite |
| 85 | 3E019 | - | G | N | N | 15 | 38 | N | N | N | - | - | - | - | - | - | - | Qtz w/ py |
| 86 | 10 | - | G | N | N | 44 | 76 | N | 25 | N | - | - | - | - | - | - | - | Last |
| 87 | 11 | - | G | 0.186 | 3.69 | 57 | 1200 | 32 | 180 | - | - | - | - | - | - | - | - | Last w/ py |
| 88 | 26 | - | G | N | N | 110 | 38 | N | 41 | 0.030 | - | - | - | - | - | - | - | Andesite w/ py |
| 89 | 25 | - | G | N | N | 27 | 16 | N | N | 0.040 | - | - | - | - | - | - | - | Silicified volc w/ py |
| 90 | 24 | - | G | N | N | 150 | 14 | N | 35 | N | - | - | - | - | - | - | - | Andesite |
| 91 | AJ5SV312 | 0.50 | CC | N | 0.40 | 13 | 10 | 68 | 3 | N | N | N | N | 10 | N | N | N | Qtz-calc vein w/ fe st |
| 92 | 310 | - | G | N | N | 200 | 15 | 42 | 19 | 0.116 | N | N | N | N | N | N | N | Gnst-andesite |
| | 311 | 0.25 | C | N | N | 15 | 4 | 86 | 4 | N | N | N | 20 | N | 20 | N | N | Qtz vein |
| 93 | 348 | 0.50 | F | N | 1.10 | 49 | 194 | 4 | 88 | - | - | - | - | - | - | - | - | Hornf w/po |
| | AJ5WV871 | - | G | N | 0.20 | 64 | 132 | 26 | 43 | - | - | - | - | - | - | - | - | Moly in skarn |
| | 872 | 1x0.5 | G | 0.010 | 0.60 | 16 | 379 | 20 | 108 | - | - | - | - | - | - | - | - | Qtz w/ sulf |
| 94 | 3S021 | - | G | N | N | 43 | N | N | - | - | - | - | - | - | - | - | - | Schist |
| | 22 | - | G | 0.008 | N | N | 16 | N | 6 | - | - | - | - | - | - | - | - | Qtz vein w/ sulf |
| 95 | 24 | - | F | N | N | 170 | 81 | N | 42 | - | - | - | - | - | - | - | - | Qtz and gnt |
| 96 | 28 | - | S | 0.590 | 3.05 | 130 | 550 | 140 | 11 | - | - | - | - | - | - | - | - | Last w/ py |
| 97 | AJ5SV017 | 0.50 | C | N | 0.70 | 172 | 107 | 22 | 6 | 0.600 | - | N | N | N | 20 | N | N | Fe st shear zone in ldst |
| 98 | 3S030 | - | F | 0.044 | 2.32 | N | 570 | 70 | 48 | - | - | - | - | - | - | - | - | Qtz and calc w/ po |
| 99 | 33 | - | F | 0.151 | 1.54 | N | 35 | 55 | 41 | - | - | - | - | - | - | - | - | Shale w/ py |
| 100 | 57 | - | G | N | N | 15 | N | 3 | - | - | - | - | - | - | - | - | - | Metased |
| 101 | 3S255 | - | SS | N | N | 180 | 56 | N | 0.050 | - | - | - | - | - | - | - | - | Last |
| 102 | AJ5SV001 | 3.00 | CR | 0.010 | 0.50 | 244 | 27 | 12 | 2 | 0.400 | N | N | N | N | 8 | N | N | Slate |
| | 2 | 2.00 | CR | N | 0.20 | 31 | 21 | 15 | 6 | 0.200 | - | N | N | N | 10 | N | N | Slate |
| 103 | AJ5WV953 | 5.00 | CR | N | N | 44 | 70 | 15 | 18 | 0.051 | N | N | N | N | 20 | N | N | Last w/ schist, qtz veins w/sulf |
| | 954 | 3.00 | CR | N | N | 33 | 38 | 12 | 16 | 0.052 | N | N | N | N | 20 | N | N | Qtz veins w/ sulf |
| 104 | 949 | 5.00 | CR | N | N | 8 | 8 | 6 | 2 | N | N | N | N | 10 | N | N | Last | |
| | 950 | 3.00 | CR | N | N | 52 | 42 | 14 | 21 | 0.032 | N | N | N | N | 30 | N | N | Dike |
| 105 | 3S247 | - | F | N | 1.94 | 48 | 16 | 150 | N | N | - | - | - | - | - | - | - | Calc w/ cp |
| 106 | 246 | - | G | N | 1.02 | 74 | 16 | N | N | N | - | - | - | - | - | - | - | Last |
| 107 | 244 | - | G | N | N | 210 | 75 | N | 46 | N | - | - | - | - | - | - | - | Phyllite |
| 108 | AJ5WV948 | 5.00 | CR | N | N | 10 | 6 | 10 | N | N | N | N | N | N | N | N | N | Last |
| 109 | 945 | 1.00 | CR | N | N | 13 | 9 | 6 | 1 | N | N | N | N | N | N | N | N | Last |
| | 946 | 12.00 | CR | N | N | 76 | 95 | 4 | 29 | N | N | N | N | N | 70 | N | 2000 | Dike |
| | 947 | 1.00 | CR | N | N | 20 | 10 | 13 | 2 | N | N | N | N | N | N | N | N | Last w/ sulf |

| Map
No. | Sample
No. | Size
Feet | Sample
Type | Fire
Assay | Atomic Absorption
(ppm unless marked %) | | | | | | X-
Ray | | Spectrographic
(ppm) | | | | | |
|------------|---------------|--------------|----------------|---------------|--|-----------|-----------|-----------|-----------|-----------|-----------|----------|-------------------------|-----------|-----------|-----------|-----------|----------------------------------|
| | | | | | Au
ppm | Ag
ppm | Zn
ppm | Cu
ppm | Pb
ppm | Co
ppm | Sa
% | W
ppm | Mo
ppm | Sn
ppm | As
ppm | Ni
ppm | Pt
ppm | Sb
ppm |
| | | | | | | | | | | | | | | | | | | |
| 110 | 943 | 5.00 | CR | N | N | 36 | 10 | 10 | N | N | N | N | N | N | N | N | N | White lamst |
| | 944 | 5.00 | CR | N | N | 156 | 16 | 12 | N | 0.005 | N | N | N | N | N | N | N | Gray & white banded lamst |
| 111 | 56V2675 | - | G | N | N | 32 | 96 | 3 | 25 | 0.008 | N | N | N | N | 20 | N | | 800 Metateleisite w/ py |
| 112 | AJ5SV347 | 5.00 | CR | N | N | 139 | 69 | 9 | 11 | - | - | - | - | - | - | - | - | Hornf or slate |
| 113 | 3S102 | - | G | N | N | 74 | 100 | 280 | 84 | - | - | - | - | - | - | - | - | Gossan |
| 114 | 3E031 | - | G | N | N | 140 | 32 | N | 51 | 0.020 | - | - | - | - | - | - | - | Basalt |
| 115 | AJ5WV834 | 0.30 | G | N | N | 10 | 4 | 2 | 4 | N | N | N | 20 | N | 10 | N | N | Gtz |
| 116 | 3S103 | - | G | N | N | N | 140 | 86 | 90 | - | - | - | - | - | - | - | - | Amphibolite |
| 117 | 100 | - | G | N | N | N | 70 | 58 | 61 | - | - | - | - | - | - | - | - | Gnst |
| 118 | 4WG191A | - | G | N | N | 92 | 54 | 33 | 22 | 0.070 | - | 2 | - | N | 21 | - | N | Gouge w/ sulf |
| | 191B | - | G | N | N | 54 | 10 | 59 | 9 | 0.094 | - | N | - | N | 6 | - | | 3 Qtz-feldspar dike |
| 119 | 3E032 | - | G | N | N | 110 | 43 | N | 24 | 0.010 | - | - | - | - | - | - | - | Basalt |
| 120 | 4WG172 | - | G | N | N | 50 | 33 | 8 | 4 | 0.170 | - | 9 | - | 17 | 14 | - | N | Fe st hornf argillite |
| 121 | 170 | - | G | N | N | 72 | 50 | 7 | 17 | 0.160 | - | 3 | - | N | 25 | - | N | Hornf argillite |
| 122 | 79 | - | G | N | N | 159 | 12 | 5 | 8 | 0.170 | - | 3 | - | N | 70 | - | N | Dark gray siltstone w/ py |
| 123 | 80 | - | G | N | N | 7 | 6 | 8 | 1 | 15.000 | - | N | - | N | 4 | - | N | Fe st gray-green chert w/ py |
| 124 | 216 | - | G | N | N | 15 | 6 | 7 | 2 | 0.012 | - | N | - | N | 3 | - | N | Lst breccia |
| 125 | AJ5WV835 | 1.00 | F | N | N | 25 | 73 | 18 | 31 | 0.006 | N | N | 400 | 700 | N | 700 | N | Py boulder |
| 126 | AJ5SV024 | 15.00 | CR | N | N | 238 | 46 | 19 | 8 | 0.080 | N | N | 300 | - | 20 | N | N | Slate w/ 4% py |
| 127 | 46 | - | C | N | N | 166 | 85 | 17 | 36 | 0.080 | - | N | N | N | 70 | N | N | Dike in slate w/ py |
| 128 | 23 | 15.00 | SC | N | N | 61 | 41 | 29 | 2 | 0.200 | N | N | N | N | 20 | N | N | Fe st slate |
| 129 | 21 | 2.00 | CR | N | N | 84 | 53 | 14 | 24 | 0.200 | N | N | N | N | 20 | N | N | Fe st slate |
| | 22 | - | C | N | N | 96 | 8 | 25 | 2 | 0.200 | N | N | N | N | N | N | N | Fe st band w/ clay, gossan, sulf |
| 130 | 19 | - | F | N | N | 36 | 8 | 116 | 10 | 0.300 | 6 | N | 200 | 300 | 30 | N | N | Qtz w/ band of py, gn |
| 131 | 158 | 5.00 | CR | N | N | 172 | 37 | 13 | 3 | 0.168 | N | N | N | N | N | N | N | Slate |
| 132 | 45 | 3.00 | CR | N | 0.30 | 297 | 41 | 13 | 5 | 2.000 | N | N | N | N | 10 | N | N | Fe st slate w/ 10% qtz |
| 133 | 41 | 10.00 | CR | 0.010 | 0.50 | 272 | 39 | 25 | 4 | 2.000 | N | N | N | N | 10 | N | N | Fe st slate |
| | 42 | - | F | 0.030 | 1.00 | 78 | 12 | 47 | 15 | 1.000 | N | N | N | 400 | 30 | N | 1000 | Slate w/ 0.05 ft band of py |
| | 43 | 2.00 | CR | N | 0.20 | 145 | 123 | 9 | 22 | 2.000 | - | N | N | N | 10 | N | N | Dike |
| | 44 | - | F | 0.415 | 1.70 | 60 | 3 | 19 | 20 | 0.050 | - | N | 200 | 40000 | 20 | N | N | Qtz vein w/ dike & large py |
| 134 | 160 | 5.00 | CR | 0.010 | 0.20 | 156 | 34 | 12 | 6 | 0.350 | N | N | N | N | N | N | N | Slate w/ py |
| 135 | 162 | 3.00 | CR | N | 0.40 | 261 | 53 | 16 | 8 | 0.218 | N | N | N | N | 90 | N | N | Slate |
| 136 | 56V2554 | - | G | 2.595 | 3.00 | 381 | 40 | 42 | 43 | 0.300 | 6 | N | N | N | 30 | N | N | Slate w/ py bands |
| | 2555 | - | G | N | N | 233 | 32 | 10 | 41 | 0.106 | N | N | N | N | 30 | N | N | Felsic dike w/ py |
| 137 | 2556 | - | G | 0.040 | N | 61 | 18 | 8 | 38 | 0.008 | N | N | N | N | N | N | N | Qtz vein w/ py |
| | 2557 | - | G | 0.005 | 0.50 | 65 | 18 | 18 | 39 | 0.780 | N | N | N | N | 10 | N | N | Shale w/ py |
| 138 | 2558 | - | G | N | N | 97 | 106 | 9 | 12 | 0.013 | N | N | N | N | 30 | N | N | Qtz vein w/ py |
| | 2559 | - | G | 0.015 | N | 254 | 84 | 11 | 28 | 0.200 | N | N | N | N | N | N | N | Felsic dike w/ py |
| 139 | AJ5SV164 | 5.00 | CR | 0.005 | N | 82 | 37 | 7 | 8 | 0.087 | N | N | N | N | 20 | N | N | Slate |
| 140 | 166 | 4.00 | ER | 0.005 | 1.00 | 314 | 95 | 17 | 19 | 0.116 | N | N | N | N | 50 | N | N | Slate |
| 141 | 168 | - | CR | N | N | 42 | 13 | 9 | 13 | 0.027 | N | N | N | N | 50 | N | 2000 | Diorite |

| Map No. | Sample No. | Sample Size
Feet | Sample Type | Fire Assay | | Atomic Absorption
(ppm unless marked %) | | | | | X-Ray | Spectrographic
(ppm) | | | | | | |
|---------|------------|---------------------|-------------|------------|-----------|--|-----------|-----------|-----------|---------|----------|-------------------------|-----------|-----------|-----------|-----------|------------------------------------|-------------------|
| | | | | Au
ppm | Ag
ppm | Zn
ppm | Cu
ppm | Pb
ppm | Co
ppm | Ba
% | W
ppm | Mo
ppm | Sn
ppm | As
ppm | Ni
ppm | Bi
ppm | Sb
ppm | |
| 142 | 172 | - | CR | N | N | 37 | 40 | 5 | 16 | 0.007 | N | N | N | N | 70 | N | 2000 Gabbro S epidote, qtz veinlet | |
| 143 | 111 | - | CC | N | 0.70 | 165 | 73 | 13 | 3 | - | - | 12 | - | N | 16 | - | N Black slate | |
| 144 | 108 | - | CR | N | 0.40 | 60 | 36 | 11 | 14 | - | - | 8 | - | N | 16 | - | N Fe st argillite | |
| 145 | 102 | - | CC | N | 0.30 | 78 | 91 | 4 | 18 | - | - | 7 | - | N | 78 | - | N Fe st metased | |
| 146 | 292 | 0.30 | F | 6.330 | 18.20 | 83 | 515 | 8 | 117 | 0.024 | N | N | 100 | N | N | N | N | Gossan w/ 20% py |
| 147 | 246 | 2.00 | CR | N | N | 1195 | 213 | 8 | 10 | 0.106 | N | N | 40 | N | 50 | N | 8000 Slate | |
| | 247 | 0.10 | CR | N | 0.20 | 480 | 75 | 2 | 2 | 0.172 | N | N | N | N | 30 | N | 5000 Slate w/ py | |
| 148 | 241 | 0.20 | S | 0.010 | 0.90 | 58 | 14 | 10 | 19 | 0.330 | N | N | N | N | 10 | N | Slate w/ py | |
| | 243 | 0.40 | C | N | 0.20 | 1780 | 19 | 8 | 4 | 0.019 | N | N | 20 | N | 10 | N | 3000 Qtz-calc vein | |
| | 244 | 1.30 | CR | N | 0.80 | 109 | 66 | 12 | 10 | 0.330 | N | N | N | N | 8 | N | N Slate | |
| 149 | 237 | 0.30 | C | N | N | 48 | 25 | 3 | 7 | 0.055 | N | N | N | N | 8 | N | N Qtz-calc vein | |
| | 238 | 2.50 | CR | N | N | 135 | 71 | 9 | 26 | 0.320 | N | N | N | N | N | N | N Dike | |
| | 239 | 8.00 | CR | N | 0.40 | 138 | 64 | 9 | 5 | 0.360 | N | N | N | N | 10 | N | N Fe st slate | |
| | 240 | 0.60 | C | N | 0.80 | 62 | 77 | 8 | 4 | 0.400 | N | N | N | N | 10 | N | N Fault gouge | |
| 150 | 182 | - | CR | N | N | 59 | 21 | 7 | 3 | 0.070 | N | N | N | N | N | N | N | Slate w/ disse py |
| 151 | 180 | - | CR | N | 0.90 | 58 | 35 | 15 | 4 | 0.098 | N | N | N | N | 10 | N | N | Slate w/ disse py |
| 152 | 4W6222 | - | 6 | N | 0.70 | 98 | 31 | 14 | 4 | 0.097 | - | 6 | - | N | 11 | - | N Fe st slate w/ py | |
| 153 | AJ5SV351 | 4.00 | CR | 0.010 | N | 760 | 140 | 11 | 4 | - | - | - | - | - | - | - | - Fe st slate | |
| 154 | AJ5MV874 | 5.00 | CR | N | 19.00 | 21 | 27 | 1070 | 3 | - | - | - | - | - | - | - | - | Slate |
| 155 | AJ5SV178 | - | CR | N | 0.20 | 185 | 65 | 8 | 15 | 0.128 | N | N | N | N | 40 | N | 2000 Slate w/ disse py | |
| 156 | 176 | - | CR | N | N | 90 | 77 | 7 | 14 | 0.063 | - | N | N | N | 20 | N | 1000 Slate w/ disse py | |
| 157 | AJ5MV651 | - | 6 | 0.005 | 0.90 | 60 | 98 | 94 | 19 | - | - | - | - | - | - | - | - Fe st qtz, Mbl w/ sulf | |
| | 652 | 4.00 | CR | 0.005 | 1.80 | 70 | 126 | 265 | 15 | - | - | - | - | - | - | - | - Fe st slate w/ qtz & sulf | |
| 158 | AJ5SV174 | - | CR | N | N | 31 | 59 | 6 | 11 | 0.018 | N | N | N | N | 80 | N | 3000 Diorite w/ trace of py | |
| 159 | 4W6117A | - | 6 | N | 0.60 | 83 | 41 | 10 | 2 | 0.280 | - | 6 | - | N | 7 | - | N Fe st slate | |
| | 117B | - | 6 | N | N | 98 | 24 | 3 | 16 | 0.049 | - | N | - | N | 44 | - | N Felsite sill | |
| 160 | 4S144 | 0.15 | CH | 0.698 | N | 58 | 11 | N | 130 | N | - | N | N | 400 | 40 | N | N Qtz vein | |
| 161 | 145 | - | 6 | 1.030 | 17.14 | 140 | 89 | 24 | 20 | 0.053 | - | N | N | N | 20 | N | N Hornf w/ fine sulf | |
| 162 | 4ER27 | - | 6 | N | 0.20 | 101 | 58 | 9 | 14 | 0.070 | - | N | N | N | 19 | - | N Hornf slate & silistone | |
| 163 | 5BV2540 | - | 6 | N | N | 267 | 140 | 20 | 8 | 0.127 | N | N | N | N | 10 | N | N Hornf mbl skarn | |
| | 2541 | - | 6 | N | N | 154 | 246 | 12 | 63 | 0.056 | N | N | N | N | 100 | N | N Shattered diorite at cont w/ po | |
| | AJ5MV840 | 5.00 | CR | N | 0.30 | 38 | 188 | 3 | 55 | 0.055 | N | N | N | N | 100 | N | N Hornf slate w/ sulf | |
| 164 | 841 | 2.00 | 6 | N | 0.20 | 30 | 114 | 2 | 7 | 0.108 | N | N | N | N | 10 | N | N Diorite | |
| 165 | 842 | 0.40 | R | 3.025 | 0.20 | 17 | 154 | N | 21 | 0.006 | N | N | 60 | N | 10 | N | N Qtz vein w/ vugs & fe st | |
| 166 | 843 | - | R | 0.010 | N | 35 | 41 | 2 | 29 | 0.007 | N | N | N | N | 200 | N | N Diorite | |
| | 844 | 0.20 | R | N | N | 12 | 4 | 12 | 3 | N | N | N | N | N | N | N | N Qtz vein | |
| 167 | AJ5SV184 | - | CR | N | 0.40 | 400 | 51 | 10 | 6 | 0.450 | N | N | N | N | 20 | N | N Slate | |
| 168 | 5BV2533 | - | R | N | 0.40 | 415 | 36 | 19 | 5 | - | - | - | - | - | - | - | Slate w/ py | |
| | 34 | - | R | 0.025 | 0.53 | 117 | 13 | 22 | 13 | - | - | - | - | - | - | - | Slate w/ sv | |
| 169 | 32 | - | R | N | 0.40 | 369 | 42 | 17 | 30 | - | - | - | - | - | - | - | Eossan | |

| Map No. | Sample No. | Sample Size | Sample Type | Fire Assay | | Atomic Absorption (ppm unless marked %) | | | | | X-Ray | | Spectrographic (ppm) | | | | | |
|---------|------------|-------------|-------------|------------|--------|---|--------|--------|--------|-------|-------|--------|----------------------|--------|--------|--------|-----------------------------------|-------------------------------------|
| | | | | Au ppm | Ag ppm | In ppm | Cu ppm | Pd ppm | Co ppm | Ca % | K ppm | Mo ppm | Sn ppm | As ppm | Ni ppm | Bi ppm | Sb ppm | |
| 170 | 35 | - | R | 0.005 | 0.70 | 1010 | 84 | 32 | 8 | - | - | - | - | - | - | - | - | Slate w/ py |
| | 36 | - | R | 0.020 | 0.90 | 31 | 5 | 12 | 28 | - | - | - | - | - | - | - | - | Dacite like Sulf band in slate |
| 171 | AJ5SV249 | 0.10 | CR | N | 0.20 | 203 | 28 | 9 | 2 | 0.117 | N | N | N | N | 30 | N | 7000 | Sulf band in slate |
| 172 | 4S189 | 2.50 | G | 24.830 | 1.27 | 280 | 42 | N | 31 | 0.119 | - | N | N | N | 20 | N | N | Lst band w/ py, sl |
| | 190 | - | G | 1.369 | 0.47 | 650 | 57 | N | 89 | 0.036 | - | N | N | N | 40 | N | N | 3 qtz veins w/ sulf |
| | 191 | 0.40 | G | 8.959 | 2.37 | 9.5% | 41 | N | 230 | 0.018 | - | N | N | 800 | 40 | N | N | Qtz w/ py, sl, in tan orange dike |
| | 192 | 0.40 | S | 1.669 | 0.77 | 13.4% | 41 | N | 20 | 0.172 | - | N | N | 700 | 30 | N | N | Sl rich grab, from qtz vein in dike |
| 173 | AJ5WV991 | 5.00 | CR | N | 1.30 | 555 | 98 | 8 | 9 | 0.300 | N | N | N | N | 20 | N | N | Slate |
| 174 | 989 | 5.00 | CR | N | 0.60 | 142 | 50 | 12 | 6 | 0.380 | N | N | N | N | 10 | N | N | Qtz oreccia w/ calc, slate, sulf |
| 175 | 986 | 0.20 | G | N | N | 50 | 9 | 4 | 2 | 0.113 | N | N | N | N | N | N | N | Qtz oreccia w/ calc, slate, sulf |
| 176 | 985 | 5.00 | CR | N | 0.50 | 74 | 45 | 21 | 6 | 0.164 | N | N | N | N | N | N | N | Slate |
| 177 | AJ5SV233 | 3.00 | CR | N | 0.20 | 102 | 44 | 8 | 9 | 0.200 | N | N | N | N | 10 | N | N | Fe st slate w/ sulf |
| 178 | 4ER47 | - | G | N | 0.50 | 210 | 94 | 14 | 14 | 0.140 | - | 9 | - | N | 24 | - | N | Hornf argillite w/ py |
| 179 | AJ5SV230 | 0.20 | C | N | N | 88 | 18 | 12 | 24 | 0.019 | N | N | N | N | 20 | N | N | Dike & vuggie qtz vein |
| | 231 | 2.00 | C | N | N | 31 | 7 | 6 | 39 | 0.012 | N | N | N | N | 60 | N | N | Dike |
| | 232 | 10.00 | CR | N | 0.30 | 60 | 49 | 5 | 6 | 0.215 | N | N | N | N | 10 | N | N | Fe st slate |
| | AJ5WV808 | 0.20 | CR | 0.025 | N | 10 | 9 | 4 | 2 | 0.028 | N | N | N | N | N | N | N | Qtz vein in slate |
| | 809 | 1.00 | C | 0.005 | 0.60 | 84 | 36 | 9 | 6 | 0.078 | N | N | N | N | 8 | N | N | Fault zone |
| 180 | 3S253 | - | G | N | N | 99 | 110 | N | N | 0.080 | - | - | - | - | - | - | - | Andesite |
| 181 | AJ5WV956 | 5.00 | G | N | N | 44 | 110 | 8 | 21 | 0.099 | N | N | N | N | 40 | N | N | Dike w/ sulf |
| | 957 | 3.50 | G | N | 0.20 | 67 | 41 | 19 | 9 | 0.430 | N | N | N | N | 20 | N | N | Slate w/ sulf |
| 182 | 56V2679 | - | F | N | 0.80 | 161 | 400 | 11 | 56 | 0.430 | N | N | N | N | 100 | N | 1000 Py layer 0.05 ft thick | |
| 183 | 2680 | - | G | 0.020 | N | 41 | 22 | 4 | 3 | 0.073 | N | N | N | N | N | N | N | Metachert w/ py |
| 184 | 2678 | - | G | 0.155 | N | 6 | 38 | 4 | 2 | 0.005 | N | N | N | N | N | N | N | Metachert w/ py |
| 185 | 2634 | - | G | N | N | 13 | 8 | 22 | 2 | 1.110 | N | N | N | N | 40 | N | 1000 Felsite w/ disseminated sulf | |
| 186 | 4ER05 | - | G | N | 0.50 | 670 | 168 | 20 | 11 | 0.160 | - | 7 | - | N | 44 | N | N | Hornf black argillite w/ py vein |
| | AJ5WV820 | 5.00 | CR | N | 0.20 | 86 | 68 | 9 | 13 | 0.145 | N | N | N | N | N | N | N | Slate w/ sulf |
| 187 | 821 | 0.50 | R | 0.015 | N | 175 | 54 | 8 | 4 | N | N | 30 | N | N | 8 | N | N | Vuggie qtz |
| 188 | 822 | 5.00 | CR | N | N | 137 | 57 | 7 | 19 | 0.156 | N | N | N | N | N | N | N | Slate |
| 189 | 823 | 10.00 | G | N | N | 35 | 89 | 7 | 26 | 0.035 | N | N | N | N | 20 | N | N | Amphibolite |
| 190 | 824 | 10.00 | G | N | N | 53 | 54 | 4 | 21 | 0.027 | N | N | N | N | N | N | N | Diorite |
| 191 | 825 | 0.40 | R | 0.440 | 0.30 | 9 | 2 | 3 | 6 | 0.006 | N | N | 20 | N | 10 | N | N | Vuggie qtz |
| 192 | 826 | 3.00 | G | 0.005 | N | 52 | 18 | 10 | 12 | 0.024 | N | N | N | N | N | N | N | Diorite w/ sulf |
| 193 | 827 | 5.00 | G | 0.010 | N | 49 | 29 | 3 | 14 | 0.021 | N | N | N | N | 10 | N | N | Diorite |
| 194 | 4ER125 | - | G | N | 0.90 | 173 | 38 | 8 | 2 | 0.260 | - | 38 | - | N | 10 | - | N | Fe st diorite w/ py |
| 195 | 124 | - | G | 0.010 | 0.30 | 19 | 303 | 4 | 28 | 0.011 | - | 26 | - | N | 37 | - | 2 | Fe st hornf slate w/ po |
| 196 | AJ5WV972 | 5.00 | CR | N | 0.20 | 15 | 12 | 5 | 2 | 0.112 | N | N | N | N | N | N | N | Lst w/ qtz knots |
| 197 | 56V2681 | - | G | N | N | 45 | 29 | 5 | 10 | 0.054 | N | N | N | N | N | N | N | Metafelsite w/ sulf |
| 198 | 2663 | - | G | N | 0.20 | 57 | 86 | 6 | 38 | 0.041 | N | N | N | N | 40 | N | N | Felsic schist w/ py |
| 199 | 3S161 | 1.00 | C | N | N | 40 | 20 | N | 36 | N | - | - | - | - | - | - | - | Qtz vein |
| | 162 | - | G | N | N | 79 | 65 | N | 16 | 0.050 | - | - | - | - | - | - | - | Schist |

| Map No. | Sample No. | Sample Size | Sample Type | Fire Assay | Atomic Absorption (ppm unless marked %) | | | | | | X-Ray % | Spectrographic (ppm) | | | | | | | |
|---------|------------|-------------|-------------|------------|---|--------|--------|--------|--------|--------|---------|----------------------|--------|--------|--------|--------|--------|--|-----------------------|
| | | | | | Au ppm | Ag ppm | Zn ppm | Cu ppm | Fe ppm | Co ppm | | W ppm | Mo ppm | Sn ppm | As ppm | Ni ppm | Bi ppm | Sb ppm | |
| 200 | 163 | - | G | N | N | N | 40 | 23 | N | 15 | 0.060 | - | - | - | - | - | - | Phyllite | |
| 201 | 164 | - | G | N | N | N | 9 | 8 | N | 2 | N | - | - | - | - | - | - | Qtz vein | |
| 202 | 5GV2662 | - | G | N | N | N | 37 | 23 | 5 | 20 | 0.055 | 14 | N | N | N | 10 | N | N | Felsic schist w/ sulf |
| 203 | 2664 | - | G | N | 0.60 | 22 | 322 | 12 | 64 | 0.218 | N | N | N | N | N | N | N | 1000 | Felsic schist |
| 204 | JS071 | - | F | N | 0.40 | N | 73 | N | 66 | - | - | - | - | - | - | - | - | Qtz w/ po | |
| | 72 | - | F | N | N | N | 110 | N | 50 | - | - | - | - | - | - | - | - | Schist w/py | |
| 205 | 5GV2560 | - | G | N | N | N | 49 | 48 | 10 | N | N | N | N | N | N | 10 | N | N | Qtz vein |
| | 2561 | - | G | N | N | N | 43 | 9 | 9 | 1 | N | N | N | N | N | N | N | N | Qtz vein |
| | 2562 | - | G | N | N | N | 31 | 12 | 7 | 2 | 0.005 | N | N | N | N | N | N | N | Last |
| | 2563 | - | G | N | N | N | 121 | 4 | 10 | 38 | 0.006 | N | N | N | N | 20 | N | N | Andesite dike |
| 206 | JS069 | - | G | N | N | N | N | 17 | N | 34 | - | - | - | - | - | - | - | Schist | |
| | 70 | - | G | N | N | N | N | 17 | N | 3 | - | - | - | - | - | - | - | Siltstone | |
| 207 | 5GV2564 | - | G | N | 0.20 | 38 | 41 | 8 | 29 | 0.048 | N | N | N | N | 30 | N | N | Diorite w/ sulf | |
| 208 | JS140 | - | G | N | N | 140 | 52 | N | 130 | 0.010 | - | - | - | - | - | - | - | Phyllite | |
| | 141 | - | G | N | 0.43 | 48 | 25 | N | 31 | 0.160 | - | - | - | - | - | - | - | Qtz | |
| 209 | 137 | - | G | N | N | 100 | 58 | N | 64 | 0.050 | - | - | - | - | - | - | - | Qtz Diorite w/ po | |
| | 138 | - | S | N | N | 110 | 91 | N | 63 | 0.060 | - | - | - | - | - | - | - | Andesite w/ py, po | |
| | 139 | - | SC | N | N | 33 | 29 | N | 23 | N | - | - | - | - | - | - | - | Last | |
| 210 | 5GV2565 | - | G | N | N | 38 | 39 | 7 | 16 | 0.007 | N | N | N | N | 70 | N | N | Altered diorite | |
| 211 | 2629 | - | G | N | N | 110 | 101 | 5 | 33 | 0.109 | N | N | N | N | 10 | N | N | Felsic schist w/ py | |
| 212 | 2628 | - | G | N | N | 102 | 200 | 8 | 18 | 0.066 | N | N | N | N | 30 | N | N | Greenschist w/ py | |
| 213 | 2665 | - | G | N | N | 91 | 23 | 6 | 8 | 0.040 | N | N | N | N | N | N | N | Black phyllite w/ py | |
| | 2666 | - | G | N | N | 26 | 23 | 4 | 7 | N | N | N | 100 | 500 | 20 | 900 | N | Qtz vein in phyllite | |
| 214 | JS076 | - | G | 0.014 | N | N | 7 | N | 30 | - | - | - | - | - | - | - | - | Gnst | |
| 215 | 75 | - | G | N | N | 210 | 68 | N | 21 | - | - | - | - | - | - | - | - | Shale w/py | |
| 216 | 5GV2667 | - | G | 0.015 | 0.20 | 54 | 23 | 19 | 13 | 0.036 | N | N | N | N | N | N | N | Py & phyllite | |
| | 2668 | - | G | N | N | 176 | 59 | 5 | 14 | 0.025 | N | N | N | N | 10 | N | N | 1000 Metafelsite | |
| 217 | JS217 | - | G | N | N | 170 | 14 | 91 | N | N | - | - | - | - | - | - | - | Altered metased | |
| 218 | 216 | - | G | N | N | 240 | 62 | N | 30 | 0.090 | - | - | - | - | - | - | - | Last | |
| 219 | 5GV2669 | - | G | N | N | 14 | 19 | 3 | 1 | 0.540 | N | N | N | N | N | N | N | White chert w/ py | |
| 220 | JS068 | - | G | N | N | N | 49 | N | 36 | - | - | - | - | - | - | - | - | Schist | |
| 221 | 67 | - | G | 0.018 | N | N | 20 | N | 35 | - | - | - | - | - | - | - | - | Schist | |
| 222 | 5GV2671 | - | G | N | 0.20 | 21 | 107 | 3 | 15 | 0.018 | N | N | N | N | 20 | N | N | Altered gnst | |
| 223 | 2672 | - | G | N | N | 79 | 88 | 6 | 12 | 0.060 | N | N | N | N | 10 | N | N | 2000 Felsic schist | |
| 224 | JS066 | - | G | N | 0.39 | N | 120 | N | 17 | - | - | - | - | - | - | - | - | Metased | |
| 225 | 4ER76 | - | G | 0.015 | 0.50 | 5 | 31 | 13 | 2 | 0.300 | - | 25 | - | N | 6 | - | N | Fe st hornf phyllite w/ py & qtz veins | |
| 226 | AJ5SV228 | 0.30 | CR | N | N | 47 | 15 | 5 | 8 | 0.013 | N | N | N | N | 10 | N | N | Vuggie qtz-calc vein | |
| | 229 | 2.00 | CR | N | N | 98 | 37 | N | 29 | 0.020 | N | N | N | N | 10 | N | N | Dike | |
| 227 | AJ5WV807 | 5.00 | CR | N | 0.80 | 105 | 29 | 11 | N | 0.210 | N | N | N | N | N | N | N | Slate w/ sulf | |
| | 4ER75 | - | G | N | 0.30 | 128 | 65 | 17 | 3 | 0.280 | - | 12 | - | N | 21 | - | N | Black phyllite w/ qtz veins & py | |
| 228 | AJ5WV995 | 5.00 | CR | N | 0.30 | 86 | 24 | 14 | 3 | 0.390 | N | N | N | N | N | N | N | Slate | |

| Map No. | Sample No. | Sample Size | Sample Type | Fire Assay | | Atomic Absorption (ppm unless marked %) | | | | | X-Ray | | Spectrographic (ppm) | | | | | | |
|---------|------------|-------------|-------------|------------|------|---|------|-----|-----|--------|-------|-----|----------------------|------|-----|-----|-----|--|--|
| | | | | Au | Ag | In | Cu | Fe | Co | Ba | W | Mo | Sn | As | Ni | Bi | Sr | | |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | | |
| 229 | 994 | - | G | N | N | 209 | 61 | 17 | 2 | 0.049 | N | N | N | 1000 | 100 | N | N | Gossan on slate | |
| 230 | 996 | - | F | N | 0.30 | 7 | 4 | 9 | N | N | N | 90 | N | 40 | N | N | Qtz | | |
| 231 | 4WG143 | - | G | 0.005 | 0.20 | 97 | 30 | 5 | 17 | 0.080 | - | 2 | - | N | 30 | N | N | Qtz-felspar dike w/ po | |
| 232 | SGV2553 | - | G | N | 0.20 | 110 | 50 | 9 | 3 | 0.137 | N | N | N | 300 | 10 | N | N | Hornf slate | |
| 233 | AJ5WV858 | 2.50 | F | N | N | 21 | 6 | 3 | 8 | 0.186 | N | N | 40 | N | N | N | N | Qtz boulder | |
| 234 | SGV2683 | - | G | 0.010 | 0.30 | 56 | 166 | 8 | 45 | 0.214 | N | N | N | 30 | N | N | N | 900 Metatelsite w/ py | |
| 235 | AJ5SV061 | - | G | N | N | 27 | 15 | 10 | 9 | 0.068 | N | N | N | 8 | N | N | N | Fe st diorite w/ po | |
| 236 | 60 | - | RC | N | N | 17 | 12 | 7 | 5 | N | N | N | N | N | N | N | N | Qtz w/ 1% sulf | |
| 237 | 4WG152 | - | G | 0.005 | 0.50 | 51 | 26 | 21 | 20 | 0.028 | - | - | - | - | - | - | - | Fe st silicified argillite | |
| 238 | 146 | - | G | 0.010 | 0.40 | 71 | 18 | 13 | 2 | 0.270 | - | 6 | - | N | 11 | - | N | Slate | |
| 239 | 150 | - | G | 0.030 | 0.60 | 24 | 21 | 12 | 3 | 0.200 | - | - | - | - | - | - | - | Silicified argillite w/ py | |
| 240 | AJ5SV058 | 1.00 | CR | N | N | 32 | 61 | 10 | 14 | 0.152 | N | N | N | 10 | N | N | N | Fe st dike w/ po | |
| | 59 | - | CR | N | N | 32 | 159 | 15 | 33 | 0.096 | N | N | N | 50 | N | N | N | Fe st dike w/ po | |
| 241 | SGV2548 | - | G | N | N | 36 | 13 | 14 | 5 | 0.022 | N | N | N | 8 | N | N | N | Dolomitic last | |
| 242 | AJ5SV056 | 20.00 | F | N | N | 26 | 15 | 8 | 12 | 0.040 | N | N | N | 8 | N | N | N | Fe st dike w/ po | |
| | 57 | - | G | N | N | 52 | 25 | 5 | 13 | 0.053 | N | N | N | 10 | N | N | N | Fe st slate | |
| 243 | SGV2552 | - | G | N | 0.40 | 565 | 25 | 5 | 7 | 0.149 | N | N | N | N | N | N | N | Fe st H2O seep gossan | |
| 244 | AJ5SV346 | 0.40 | C | N | 0.20 | 39 | 38 | 14 | 16 | - | - | - | - | - | - | - | - | Fe st qtz veins w/ py | |
| 245 | 345 | 0.30 | F | N | N | 17 | 42 | 20 | 9 | - | - | - | - | - | - | - | - | Fe st qtz veins w/ py | |
| 246 | AJ5WV868 | 0.50 | F | N | N | 14 | 16 | 17 | N | - | - | - | - | - | - | - | - | Quartzite | |
| | 869 | 0.20 | F | N | 4.50 | 1.63% | 7 | 530 | N | - | - | - | - | - | - | - | - | Half of a qtz vein w/ gn, sl | |
| | 870 | - | F | N | N | 61 | 26 | 5 | 12 | - | - | - | - | - | - | - | - | Qtz w/ sulf | |
| 247 | 45053 | 2.00 | C | N | N | 150 | 110 | N | 60 | 0.090 | - | N | N | 20 | N | N | N | Gnst | |
| | 54 | - | G | N | N | 130 | 70 | 41 | N | 0.180 | - | N | N | 8 | N | N | N | Quartzite & calc & schist w/ ba | |
| | 55 | - | F | N | 0.97 | 280 | 410 | 53 | 74 | 0.530 | - | N | N | 80 | N | N | N | Schist | |
| | 56 | - | G | N | N | 45 | 9 | 22 | N | 0.200 | - | N | N | 400 | N | N | N | Sericite schist | |
| 248 | 3E030 | - | G | N | N | 51 | 110 | N | N | 0.080 | - | - | - | - | - | - | - | Fe st phyllite w/ py | |
| | 45057 | - | R | N | N | 27 | 14 | N | N | 0.035 | - | N | N | N | N | N | N | Qtz-calc vein | |
| | 58 | - | R | 0.012 | 1.21 | 57 | 960 | 26 | 330 | 0.041 | - | N | N | 200 | N | N | N | Qtz-calc vein w/ 0.4 ft po lens | |
| | 59A | - | F | N | N | 21 | 14 | N | N | 47.000 | - | N | N | N | N | N | N | Ba in white phyllite | |
| | 59B | - | G | N | N | 53 | 8 | N | 8 | 2.980 | - | N | N | 300 | 10 | N | N | White phyllite | |
| | 60 | - | CR | N | N | 110 | 150 | 30 | 58 | 0.118 | - | N | N | 30 | N | N | N | Gnst (blocky) | |
| 249 | 61 | - | F | N | N | 67 | N | 22 | N | 0.193 | - | N | N | 300 | N | N | N | Greenschist, qtz-calc w/ sulf | |
| 250 | 62 | - | G | N | N | 210 | 130 | 22 | 56 | 0.177 | - | N | N | 40 | N | N | N | Fe st andesite | |
| 251 | 63 | - | G | N | N | 98 | 31 | 18 | 51 | 0.014 | - | N | N | 20 | N | N | N | Fe st gnst & schist w/ py | |
| 252 | 3E023 | - | G | N | N | 130 | 32 | N | 41 | N | - | - | - | - | - | - | - | Basalt | |
| 253 | 20 | - | F | N | 0.71 | 160 | 1390 | N | N | N | - | - | - | - | - | - | - | Altered & mineralized volc rock w/ hem | |
| 254 | 21 | - | F | 0.034 | 1.18 | 22 | 710 | N | 390 | N | - | - | - | - | - | - | - | Qtz vein w/ py, cp, po | |
| 255 | 4ER69 | - | G | 0.010 | 0.70 | 8 | 335 | 4 | 47 | N | - | N | - | N | 37 | - | N | Qtz vein in slate w/ po | |
| 256 | 65 | - | G | N | 1.00 | 243 | 22 | 16 | 2 | 0.073 | - | 96 | - | N | 17 | - | N | Slate w/ py, cut by felsic sills | |
| 257 | 3E028 | - | G | N | N | 930 | 75 | N | N | N | - | - | - | - | - | - | - | Basalt | |
| 258 | 4WG158 | - | G | N | 1.80 | 8 | 2010 | 10 | 940 | 0.005 | - | 3 | - | N | 116 | - | N | Massive sulf lens | |

| Map
No. | Sample
No. | Sample
Size
Feet | Sample
Type | Fire
Assay | | Atomic Absorption
(ppm unless marked %) | | | | | | X-
Ray | | Spectrographic
(ppm) | | | | | |
|------------|---------------|------------------------|----------------|---------------|-------|--|-------|-------|-------|-------|-------|-----------|-----|-------------------------|-----|-----|-----|---------------------------------------|-------------------------------|
| | | | | Au | Ag | In | Cu | Pt | Ec | Sr | W | Mo | Sn | As | Ni | Bi | Sc | | |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | | |
| 259 | 56V2570 | - | G | N | N | 6 | 224 | 8 | 13 | N | 110 | N | N | N | N | N | N | Barnst-heavy sulf skarn | |
| | 2571 | - | G | 0.015 | 0.40 | 7 | 48 | 5 | 2 | 0.007 | 8 | N | N | N | N | N | N | Qtz vein | |
| 260 | AJ5WV839 | - | F | 0.410 | 25.00 | 97 | 5500 | 5 | 4 | N | N | N | 30 | N | 8 | N | N | Qtz w/ cp, al | |
| 261 | 56V2572 | - | G | N | 0.50 | 41 | 335 | 3 | 56 | N | N | N | N | N | N | N | N | Sulf bearing skarn | |
| 262 | AJ5WV838 | - | G | N | N | 49 | 149 | 11 | 20 | 0.178 | N | N | N | 30 | N | N | N | Fe st beds in lsmt | |
| 263 | 56V2568 | - | G | 0.020 | 1.50 | 6 | 57 | 13 | 3 | N | N | N | N | N | N | N | N | Qtz vein (lower) | |
| | 2569 | - | G | N | 0.30 | 28 | 56 | 12 | 10 | N | N | N | N | N | N | N | N | Qtz vein (upper) | |
| 264 | 4W6156 | - | G | 0.020 | 0.10 | 7 | 27 | 4 | 2 | N | - | 3 | - | 5 | - | N | N | Qtz vein | |
| 265 | AJ5SV349 | 1.00 | R | N | N | 21 | 2 | 127 | N | - | - | - | - | - | - | - | - | Fe st qtz vein | |
| | 350 | 0.40 | G | N | 0.80 | 373 | 10 | 51 | 16 | - | - | - | - | - | - | - | - | Qtz vein | |
| | AJ5WV873 | 1.40 | CR | N | N | 5 | 20 | 9 | 2 | - | - | - | - | - | - | - | - | Qtz vein | |
| 266 | 56V2567 | - | G | N | 0.20 | 60 | 373 | 5 | 51 | 0.080 | N | N | N | 30 | N | N | N | Po vein | |
| 267 | 4ER79 | - | F | 49.000 | 74.00 | 32 | 1.00% | 6 | 33 | N | - | 14 | - | 11 | - | N | N | Qtz below large inclusion w/ cp, al | |
| 268 | 56V2566 | - | G | N | 0.30 | 11 | 249 | 6 | 4 | 0.070 | N | N | 300 | 10 | N | N | N | Brecciated slate | |
| 269 | AJ5WV922 | - | G | N | 0.20 | 15 | 363 | 14 | 48 | - | - | - | - | - | - | - | - | Diorite w/ sulf | |
| 270 | AJ5SV122 | 1.00 | CR | N | 0.30 | 20 | 111 | 9 | 15 | - | - | - | - | - | - | - | - | Skarn zone, mbl, gossan, diorite | |
| | 123 | 1.00 | CR | N | N | 11 | 45 | 8 | 9 | - | - | - | - | - | - | - | - | Skarn zone, mbl, gossan, diorite | |
| 271 | 120 | - | G | N | 0.60 | 18 | 389 | 10 | 66 | 0.060 | N | N | N | 30 | N | N | N | Qtz w/ mag, cp skarn | |
| | 121 | - | F | N | 0.70 | 12 | 535 | 16 | 174 | 0.030 | N | N | N | 30 | N | N | N | Mbl, qtz w/ mag, sulf skarn | |
| 272 | AJ5WV921 | - | G | N | 0.20 | 22 | 49 | 12 | 21 | - | - | - | - | - | - | - | - | Brecciated igneous rock w/ sulf | |
| 273 | 3E027 | - | G | N | N | 88 | 24 | N | 46 | 0.030 | - | - | - | - | - | - | - | Basalt | |
| 274 | AJ5SV117 | 0.75 | CC | N | 0.30 | 8 | 52 | 12 | 1 | - | - | - | - | - | - | - | - | Fe st qtz vein | |
| | 118 | 2.00 | CR | N | N | 60 | 58 | 7 | 24 | - | - | - | - | - | - | - | - | Basalt or dike | |
| | 119 | 0.40 | C | N | 0.50 | 10 | 160 | 10 | 14 | - | - | - | - | - | - | - | - | Fe st qiz vein | |
| | AJ5WV918 | - | G | N | 0.30 | 45 | 55 | 17 | 25 | - | - | - | - | - | - | - | - | Fe st basalt | |
| | 919 | 1.20 | C | N | N | 2 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | Qtz vein | |
| | 920 | - | G | N | 0.50 | 85 | 58 | 16 | 15 | - | - | - | - | - | - | - | - | Fe st slate w/ sulf | |
| 275 | 4S077 | 1.00 | F | N | 0.66 | 23 | 190 | N | 76 | 0.005 | - | N | N | 20 | N | N | N | Qtz boulder w/ 0.1 ft band po | |
| 276 | 72 | 6.00 | G | N | N | 84 | 19 | N | 7 | 0.163 | - | N | N | N | N | N | N | Fe st shale | |
| 277 | 79 | 3.50 | F | 0.058 | 1.74 | 26 | 540 | 22 | 450 | N | - | N | N | 300 | 900 | N | N | Qtz boulder w/ 0.75 ft band po, cp | |
| | 4ER71 | - | F | 0.075 | 3.00 | 5 | 364 | .5 | 235 | 0.006 | - | N | N | 238 | - | N | N | Qtz boulder w/ massive po, cp | |
| 278 | 4S073 | 1.00 | F | N | 2.10 | 23 | 310 | 18 | 130 | 0.010 | - | N | N | 2000 | N | N | N | Fe st qtz vein w/ 0.4 ft lens po | |
| | 74 | 1.00 | F | N | 0.42 | 750 | 160 | N | 43 | 0.023 | - | N | 200 | N | 80 | N | N | Qtz boulder w/ po, sl | |
| 279 | 81 | 0.30 | F | N | 1.33 | 67 | 240 | 45 | 130 | 0.071 | - | N | N | N | N | N | N | Massive po boulder w/ sparce qtz | |
| 280 | 82 | 0.70 | F | N | 2.20 | 91 | 230 | 91 | 150 | 0.810 | - | N | N | N | N | N | N | Boulder, pink & siliceous w/ bands po | |
| | 84 | 0.90 | F | N | 0.300 | 49.84 | 6.20% | 2.33% | 1.18% | 8 | 1.130 | - | N | 70 | N | 8 | N | N | 70% qtz, 30% sulf, po, cp, sl |
| 281 | 86 | 0.40 | F | N | 0.70 | 380 | 350 | 120 | 120 | 0.032 | - | N | N | N | N | N | N | Qtz boulder w/ po, cp | |
| | 90 | - | F | N | N | 14 | 69 | N | N | N | - | N | 60 | 400 | 20 | N | N | Qtz boulder w/ lens po | |
| 282 | 88 | 0.40 | F | N | 0.77 | 130 | 350 | 64 | 76 | 0.014 | - | N | N | 300 | 30 | N | N | Siliceous volc rock w/ lens po | |
| | 89 | - | F | N | N | 72 | 74 | N | 11 | 0.092 | - | N | N | N | N | N | N | Po lens in fine grained qtz | |

| Map
No. | Sample
No. | Size
Feet | Sample
Type | Fire
Assay | Atomic Absorption
(ppm unless marked %) | | | | | X-
Ray | Spectrographic
(ppm) | | | | | | | |
|------------|---------------|--------------|----------------|---------------|--|-----------|-----------|-----------|-----------|-----------|-------------------------|----------|-----------|-----------|-----------|-----------|-----------|--|
| | | | | | Au
ppm | Ag
ppm | Zn
ppm | Cu
ppm | Po
ppm | Co
% | Se
ppm | W
ppm | Mo
ppm | Sn
ppm | As
ppm | Ni
ppm | Bi
ppm | Se
ppm |
| 283 | AJ5SV211 | 10.00 | R | N | 0.30 | 267 | 44 | 2 | 9 | 0.310 | N | N | N | N | N | 10 | N | Slate |
| | AJ5MV982 | 5.00 | CR | N | 0.20 | 262 | 38 | 7 | 4 | 0.149 | 8 | N | N | N | N | 10 | N | Fe st slate |
| 284 | 4ER91 | - | G | 0.005 | 0.50 | 15 | 218 | 20 | 197 | N | - | 10 | - | N | 170 | - | N | Fe st argillite w/ py on fractures |
| 285 | 88 | - | G | N | 0.20 | 27 | 40 | 11 | 25 | 0.031 | - | 3 | - | N | 15 | - | N | Silicified mbl w/ disseminated py |
| 286 | 4WG119 | - | G | N | 0.10 | 66 | 24 | 9 | 19 | 0.110 | - | 3 | - | N | 7 | - | N | Gossan w/ py, cp |
| 287 | 120 | - | G | 0.005 | 0.20 | 64 | 45 | 10 | 30 | 0.037 | - | 2 | - | 46 | 12 | - | N | Gossan |
| 288 | 121A | - | G | 0.005 | 0.50 | 40 | 73 | 5 | 33 | 0.044 | - | 2 | - | N | 54 | - | N | Gossan |
| 289 | 4ER94 | - | G | N | 0.20 | 74 | 42 | 6 | 36 | 0.084 | - | 4 | - | N | 5 | - | N | Altered andesite w/ disseminated py |
| 290 | 4WG141 | - | G | N | 0.20 | 65 | 7 | 9 | 15 | 0.060 | - | 4 | - | N | 5 | - | N | Gossan at cont w/ gnst |
| 291 | 142 | - | G | 0.010 | 0.80 | 107 | 39 | 25 | 24 | 11.000 | - | 4 | - | 33 | 24 | - | N | Gossan at cont w/ gnst |
| 292 | 3S295 | - | G | - | - | 290 | 95 | N | 59 | N | - | N | N | N | 20 | N | N | Altered basalt w/ py, mag |
| | 296 | - | G | - | - | 110 | 9 | 28 | 35 | 0.330 | - | N | N | N | 20 | N | N | Metased w/ py |
| | 297 | - | F | N | N | 13 | 240 | N | 49 | N | - | N | N | N | 80 | N | N | Qtz vein w/ po, cp |
| 293 | 298 | - | G | N | N | 55 | N | 28 | 14 | 0.630 | - | N | N | N | N | N | N | Phyllite w/ py |
| | 299 | - | F | N | 0.10 | 56 | 140 | 41 | 67 | 0.460 | - | N | N | N | 50 | N | N | Phyllite w/ po, cp, py |
| | 300 | - | F | N | Tr | 140 | 190 | 32 | 50 | 0.260 | - | N | N | N | 30 | N | N | Schist w/ py, mag |
| 294 | AJ5SV208 | 0.50 | F | N | 0.90 | 42 | 214 | 15 | 28 | 0.014 | N | N | 100 | N | 40 | N | N | Qtz vein w/ po |
| 295 | 5GV2542 | - | G | N | 0.40 | 131 | 86 | 11 | 3 | 0.450 | N | N | N | N | N | N | N | Hornf slate |
| 296 | AJ5MV923 | - | G | N | 0.50 | 92 | 31 | 7 | N | 0.203 | N | N | N | N | 10 | N | N | Fe st-yellow, slate |
| | 924 | 0.50 | G | N | 0.40 | 28 | 15 | N | N | 0.055 | N | N | N | N | N | N | N | Fe st qtz w/ sulf |
| 297 | AJ5SV124 | - | CR | 0.005 | 0.30 | 54 | 14 | 3 | 7 | 0.018 | N | N | N | N | N | N | N | Diorite |
| 298 | 125 | 0.50 | C | 0.005 | N | 22 | 17 | 2 | 3 | 0.028 | N | N | N | N | N | N | N | Qtz vein w/ po |
| | 126 | 3.00 | CR | N | 0.50 | 49 | 29 | 4 | 2 | 0.250 | N | N | N | 300 | 10 | N | N | Slate w/ sulf |
| 299 | 4ER64 | - | G | N | 0.40 | 53 | 36 | 5 | 4 | 0.110 | - | 24 | - | N | 43 | - | N | Fe st hornf slate cut by diorite dikes |
| 300 | 5GV2543 | - | G | N | 0.20 | 136 | 79 | 4 | 2 | 0.240 | N | N | N | N | 20 | N | N | Hornf slate |
| 301 | 5WV1511 | - | G | N | 0.70 | 281 | 74 | 7 | 9 | 0.420 | N | N | N | N | 20 | N | N | Slate |
| | 1512 | 0.30 | G | N | 0.40 | 45 | 3 | 13 | 2 | 0.009 | N | N | 30 | N | 10 | N | N | Calc band at cont w/ diorite & slate |
| | 1513 | - | G | N | 0.50 | 465 | 51 | 9 | 5 | 0.360 | N | N | N | N | 20 | N | N | Fe st slate |
| | 1514 | - | G | N | 0.30 | 44 | 10 | 6 | 5 | 0.065 | N | N | N | N | N | N | N | Diorite |
| | 1515 | - | G | N | 0.20 | 43 | 3 | 4 | 3 | 0.082 | N | N | N | N | N | N | N | Diorite |
| 302 | AJ5SV079 | - | CR | N | N | 40 | 20 | 5 | 7 | 0.134 | N | N | N | N | N | N | N | Fe st diorite |
| | 80 | - | CR | N | 0.40 | 52 | 30 | 7 | 7 | 0.280 | N | N | N | N | N | N | N | Fe st slate |
| 303 | 81 | 0.30 | G | N | N | 14 | 8 | N | 12 | N | N | N | N | N | N | N | N | Qtz vein |
| 304 | 82 | - | CR | N | 0.50 | 102 | 79 | 5 | 10 | 0.156 | N | N | N | N | N | N | N | Fe st slate |
| | 4WG131 | - | G | N | 0.10 | 84 | 36 | 6 | 5 | 0.150 | - | 4 | - | N | 16 | - | N | Fe st argillite |
| 305 | AJ5SV077 | 0.70 | C | N | 3 | 62 | 28 | 4 | 7 | 0.019 | - | 4 | 40 | 600 | 10 | 500 | N | Qtz vein in slate |
| 306 | 73 | 0.05 | C | N | 0.50 | 48 | 108 | 5 | 10 | 0.020 | N | N | N | N | N | N | N | Qtz vein w/ sulf in diorite |
| | 74 | - | CR | N | 0.30 | 64 | 25 | 4 | 15 | 0.094 | N | N | N | N | 8 | N | N | Fe st diorite |
| | 75 | - | CR | N | 0.30 | 11 | 18 | 5 | 5 | 0.069 | N | N | N | N | N | N | N | Feldspar & qtz at diorite hornf cont |
| | 76 | - | CR | N | N | 12 | 13 | 3 | 6 | 0.108 | N | N | N | N | N | N | N | Hornf cont |
| 307 | 5WV1509 | - | G | N | N | 59 | 27 | 4 | 9 | 0.157 | N | N | N | N | N | N | N | Fe st slate |
| 308 | AJ5SV213 | 0.70 | F | 0.005 | N | 11 | 9 | 5 | N | 0.008 | N | N | N | N | N | N | N | Fe st qtz vein |

| Map
No. | Sample
No. | Sample
Size
Feet | Sample
Type | Fire
Assay | | Atomic Absorption
(ppm unless marked %) | | | | | X-
Ray | | Spectrographic
(ppm) | | | | | | |
|------------|---------------|------------------------|----------------|---------------|-----------|--|-----------|-----------|-----------|---------|-----------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------------------------------|--|
| | | | | Au
ppm | Ag
ppm | Zn
ppm | Cu
ppm | Pb
ppm | Co
ppm | Ba
% | W
ppm | Mo
ppm | Sn
ppm | As
ppm | Ni
ppm | Si
ppm | Se
ppm | | |
| | | | | | | | | | | | | | | | | | | | |
| 309 | 78 | 4.00 | CR | N | N | 17 | 32 | 7 | 6 | 0.330 | N | N | N | N | 10 | N | N | Hornf | |
| | 5WV1510 | - | G | N | N | 48 | 14 | 4 | 13 | 0.133 | N | N | N | N | 10 | N | N | Fe st diorite | |
| 310 | 4W6134 | - | G | N | 0.30 | 37 | 22 | 4 | 1 | 0.260 | - | 9 | - | N | 2 | - | N | Hornf argillite at pluton cont | |
| 311 | 136 | - | G | N | 0.50 | 220 | 33 | 4 | 3 | 0.340 | - | 44 | - | N | 22 | - | N | Hornf argillite at pluton cont | |
| 312 | 161 | - | G | N | 0.30 | 53 | 36 | 8 | 3 | 0.180 | - | 7 | - | N | 7 | - | N | Fa st slate | |
| 313 | AJ5SV072 | - | CR | N | 0.70 | 299 | 42 | 7 | 6 | 0.115 | N | N | N | N | 10 | N | N | Slate | |
| 314 | 69 | 0.10 | G | N | N | 399 | 114 | 11 | 13 | 0.040 | N | N | 500 | N | 60 | N | N | Gossan | |
| | 70 | 1.00 | CR | N | 0.20 | 110 | 135 | 7 | 43 | 0.075 | N | N | N | N | 70 | N | N | Dike | |
| | 71 | 2.00 | CR | N | 0.40 | 24 | 14 | 6 | 6 | 0.420 | N | N | N | N | N | N | N | Fe st slate | |
| | 5WV1508 | - | G | N | N | 203 | 52 | 7 | 29 | 0.032 | N | N | N | N | 40 | N | N | Dike & qtz | |
| 315 | AJ5SV067 | 2.70 | C | N | 0.30 | 41 | 16 | 10 | 6 | 0.217 | N | N | N | N | N | N | N | Slate | |
| | 68 | 1.00 | CR | N | 0.40 | 159 | 130 | 9 | 28 | 0.100 | N | N | N | N | 200 | N | N | Fe st gossan | |
| 316 | 65 | 2.00 | CR | N | N | 37 | 27 | 4 | 15 | 0.088 | N | N | N | N | 20 | N | N | Fe st slate | |
| | 66 | 5.00 | CR | N | N | 82 | 27 | 7 | 7 | 0.340 | N | N | N | N | 10 | N | N | Fe st slate | |
| 317 | 62 | - | G | N | N | 775 | 135 | 5 | 29 | 0.087 | N | N | N | N | 70 | N | N | Fe st gossan from dike-slate cont | |
| | 63 | 3.00 | CR | N | 0.30 | 335 | 93 | 5 | 26 | 0.072 | N | N | N | N | 20 | N | N | Dike w/ po | |
| | 64 | 3.00 | CR | N | N | 208 | 79 | 10 | 5 | 0.224 | N | N | N | N | 8 | N | N | Slate w/ 0.05 ft bands of gossan | |
| 318 | 203 | 10.00 | CR | N | 0.60 | 294 | 63 | 5 | 12 | 0.208 | N | N | N | N | 20 | N | N | Fe st slate | |
| | 204 | - | F | N | N | 44 | 17 | 2 | 3 | 0.024 | N | N | N | N | N | N | N | Fe st qtz vein w/ ribbon texture | |
| | 205 | 1.50 | C | N | N | 132 | 43 | 3 | 30 | 0.143 | N | N | N | N | 20 | N | N | Dike w/ some slate | |
| 319 | AJ5WV981 | 3.00 | G | 0.005 | 0.30 | 435 | 37 | 12 | 7 | 0.241 | N | N | N | N | 10 | N | N | Slate & qtz breccia zone | |
| 320 | SBV2537 | - | G | 0.015 | 0.50 | 87 | 68 | 9 | 2 | - | - | - | - | - | - | - | - | Slate | |
| 321 | 2538 | - | R | 0.010 | 0.50 | 209 | 64 | 12 | 10 | - | - | - | - | - | - | - | - | Slate | |
| 322 | AJ5SV199 | 0.10 | CC | N | N | 118 | 6 | 2 | 3 | 0.036 | N | N | N | N | N | N | N | Qtz-calc vein | |
| | 200 | 1.00 | CR | N | N | 114 | 44 | 5 | 26 | 0.161 | N | N | N | N | 50 | N | N | Dike w/ po | |
| | 201 | 3.00 | CR | 0.015 | 0.20 | 133 | 33 | 4 | 3 | 0.240 | N | N | N | N | N | N | N | Slate | |
| | 202 | - | F | N | 0.30 | 84 | 19 | 6 | 2 | 0.097 | - | N | N | N | 8 | N | N | Vuggie qtz | |
| | AJ5WV977 | 0.30 | CR | N | N | 58 | 18 | 11 | 4 | 0.049 | N | N | N | N | N | N | N | Qtz vein in dike | |
| | 978 | 1.65 | CR | N | N | 144 | 25 | 15 | 20 | 0.123 | N | N | N | N | 10 | N | N | Dike in slate w/ sulf | |
| | 979 | 1.00 | CR | 0.015 | 0.70 | 343 | 44 | 15 | 2 | 0.204 | N | N | N | N | 10 | N | N | Slate w/ sulf | |
| | 980 | - | F | N | 0.40 | 124 | 23 | 13 | 5 | 0.290 | N | N | N | N | 20 | N | N | Slate w/ sulf | |
| 323 | 5BV2502 | - | G | 0.110 | 0.60 | 378 | 46 | 8 | 5 | - | - | - | - | - | - | - | - | Slate | |
| 324 | 4W6122 | - | G | N | 0.40 | 27 | 28 | 21 | 30 | 0.024 | - | 4 | N | 190 | 4 | - | N | Altered argillite & abl | |
| 325 | 123 | - | G | N | N | 20 | 35 | 8 | 10 | 0.052 | - | N | N | N | 1 | - | N | Fe st argillite w/ py | |
| 326 | 4ER53 | - | G | N | 0.20 | 41 | 30 | 5 | 13 | 0.011 | - | 2 | N | 25 | 4 | - | N | Altered hornf argillite | |
| 327 | 55 | - | G | N | 0.20 | 37 | 40 | 7 | 13 | 0.066 | - | 2 | N | N | 18 | - | N | Fe st altered diorite & argillite | |
| 328 | 57 | - | G | N | 0.005 | 0.10 | 44 | 20 | 14 | 21 | 0.090 | - | 3 | N | 44 | - | N | Fe st crusned last, hornf w/ po | |
| 329 | 4W6195 | - | G | N | 0.90 | 207 | 73 | 8 | 10 | 0.140 | - | 18 | N | N | 40 | - | N | Hornf argillite | |
| 330 | AJ5WV997 | 0.40 | F | N | 0.40 | 15 | 70 | 9 | 7 | 0.020 | N | N | N | N | N | N | N | Slate w/ sulf | |
| 331 | 4ER84 | - | G | 0.010 | 0.50 | 90 | 52 | 15 | 11 | 0.099 | - | 10 | N | N | 43 | - | N | Fe st abl w/ py | |
| 332 | 5BV2622 | - | G | N | N | 50 | 20 | 17 | N | 0.097 | N | N | N | N | 8 | N | N | Hornf argillicous last w/ py | |
| 333 | 4W6159 | - | G | N | N | 14 | 20 | 6 | 8 | 0.004 | - | 2 | N | N | 10 | - | N | 18 Mol w/ py | |

Porcupine Mining Area Stream sed, Pan, Soil and Seep Samples

| Map No. | Sample No. | Sample Size | Type | Fire Assay | | Atomic Absorption (ppm unless marked *) | | | | | X-Ray | | Spectrographic (ppm) | | | | | | | Lith. & Remarks |
|---------|------------|-------------|------|------------|------|---|-----|-----|-----|-------|-------|-----|----------------------|-----|-----|-----|-----|--------------------------------------|--|-----------------|
| | | | | Au | Ag | Zn | Cu | Pb | Co | Ba | W | Mo | Sn | As | Ni | Bi | Sb | | | |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | | | |
| 1 | AJ55V010 | - | SS | N | 0.20 | 73 | 15 | 16 | 9 | 0.100 | N | N | N | N | 10 | N | N | Area between Jarvis & Glacier Creeks | | |
| 2 | 3S165 | - | SS | N | N | 160 | 84 | 20 | 58 | 0.030 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 3 | 166 | - | SS | N | N | 140 | 38 | N | 46 | 0.030 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 4 | 167 | - | SS | N | N | 200 | 41 | 24 | 55 | 0.030 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 5 | 168 | - | SS | N | N | 230 | 79 | 41 | 44 | 0.050 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 6 | 169A | - | SS | N | N | 170 | 46 | N | 35 | 0.010 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 7 | 169 | - | SS | N | N | 250 | 60 | 23 | 32 | 0.020 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 8 | 170 | - | SS | N | N | - | 48 | - | 29 | 0.010 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 9 | 131 | - | SS | N | N | 200 | 86 | 16 | 47 | 0.080 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 10 | 135 | - | SS | N | N | 220 | 75 | 24 | 41 | 0.050 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 11 | 171 | - | SS | N | N | 180 | 79 | 32 | 54 | 0.020 | - | - | - | - | - | - | - | Area between Jarvis & Glacier Creeks | | |
| 12 | 56 | - | SS | 0.016 | 1.28 | 200 | 66 | N | 32 | - | - | - | - | - | - | - | - | Pleasant Camp Area | | |
| 13 | 50 | - | SS | 0.581 | N | 62 | 55 | N | 21 | - | - | - | - | - | - | - | - | Pleasant Camp Area | | |
| 14 | 87 | - | SS | N | N | 68 | 110 | 90 | 49 | - | - | - | - | - | - | - | - | Pleasant Camp Area | | |
| | 89 | - | SS | N | N | 82 | 110 | 100 | 52 | - | - | - | - | - | - | - | - | Pleasant Camp Area | | |
| 15 | 90 | - | SS | 1.151 | N | 130 | 90 | 97 | 53 | - | - | - | - | - | - | - | - | Pleasant Camp Area | | |
| 16 | 4WG193 | - | SS | N | N | 140 | 56 | 17 | 13 | 0.058 | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 17 | 173 | - | SS | N | N | 130 | 49 | 17 | 17 | 0.054 | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 18 | AJ55V318 | - | PC | 0.240 | N | 87 | 46 | 42 | 14 | 0.069 | 10 | N | N | N | 10 | N | N | Big Boulder Creek | | |
| | 323 | - | SS | N | 0.30 | 175 | 39 | 86 | 19 | 0.061 | N | N | N | N | 50 | N | N | Big Boulder Creek | | |
| 19 | 4WG178 | - | SS | N | N | 190 | 74 | 24 | 48 | 0.060 | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 20 | AJ55V324 | - | SS | 0.020 | 0.40 | 239 | 160 | 132 | 34 | 0.078 | N | N | N | N | N | N | N | Big Boulder Creek | | |
| 21 | 4WG182 | - | SS | N | N | 250 | 100 | 20 | 42 | 0.054 | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 22 | 185 | - | SS | N | N | 150 | 79 | 17 | 21 | 0.054 | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 23 | 3S039 | - | SS | 0.016 | N | 100 | 89 | N | 29 | - | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 24 | 41 | - | SS | N | 0.47 | 40 | 110 | N | 25 | - | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 25 | 42 | - | SS | 0.023 | 0.38 | 23 | 96 | N | 21 | - | - | - | - | - | - | - | - | Big Boulder Creek | | |
| | 43 | - | Soil | N | N | 58 | 83 | N | 28 | - | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 26 | 44 | - | SS | N | 0.45 | 3 | 120 | N | 28 | - | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 27 | 46 | - | SS | 0.269 | N | 47 | 110 | N | 24 | - | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 28 | 48 | - | SS | 62.250 | N | 44 | 110 | N | 24 | - | - | - | - | - | - | - | - | Big Boulder Creek | | |
| 29 | AJ5WV845 | - | SS | N | N | 140 | 89 | 25 | 28 | 0.039 | N | N | N | N | 10 | N | N | Little Boulder Creek | | |
| 30 | 846 | - | SS | 0.180 | N | 189 | 77 | 21 | 21 | 0.055 | N | N | N | N | 20 | N | N | Little Boulder Creek | | |
| 31 | 847 | - | SS | N | N | 184 | 99 | 12 | 23 | 0.039 | - | N | N | N | 20 | N | N | Little Boulder Creek | | |
| 32 | 849 | - | SS | N | N | 165 | 81 | 19 | 31 | 0.061 | N | N | N | N | 20 | N | N | Little Boulder Creek | | |
| 33 | 850 | - | SS | N | N | 219 | 68 | 28 | 20 | 0.042 | N | N | N | N | 20 | N | N | Little Boulder Creek | | |
| 34 | 3S016 | - | SS | N | N | 110 | 76 | N | 21 | - | - | - | - | - | - | - | - | Little Boulder Creek | | |
| 35 | 14 | - | SS | N | N | 32 | 78 | N | 22 | - | - | - | - | - | - | - | - | Little Boulder Creek | | |
| 36 | 12 | - | SS | N | N | N | 91 | N | 32 | - | - | - | - | - | - | - | - | Little Boulder Creek | | |
| 37 | 11 | - | SS | N | N | 34 | 75 | N | 20 | - | - | - | - | - | - | - | - | Little Boulder Creek | | |
| 38 | 17 | - | SS | N | N | 56 | 85 | 65 | 25 | - | - | - | - | - | - | - | - | Little Boulder Creek | | |

| Map No. | Sample No. | Sample Size | Sample Type | Fire Assay | | Atomic Absorption (ppm unless marked *) | | | | | X-Ray | | Spectrographic (ppm) | | | | | | |
|---------|------------|-------------|-------------|------------|--------|---|--------|--------|--------|-------|-------|--------|----------------------|--------|--------|--------|--------|---|---------------------|
| | | | | Au ppm | Ag ppm | Zn ppm | Cu ppm | Pb ppm | Co ppm | Ba % | W ppm | Mo ppm | Sn ppm | As ppm | Ni ppm | Bi ppm | Sb ppm | N | N |
| 39 | 5WV1504 | - | SS | N | N | 53 | 31 | 3 | 12 | 0.037 | N | N | N | N | N | 10 | N | N | Mosquito Lake Area |
| | 5GV2626 | - | SS | N | N | 60 | 25 | 4 | 6 | 0.034 | N | N | N | N | N | 10 | N | N | Mosquito Lake Area |
| 40 | 2687 | - | SS | N | N | 109 | 97 | 15 | 25 | 0.053 | N | N | N | N | N | 10 | N | N | Mosquito Lake Area |
| 41 | 5WV1503 | - | SS | N | N | 110 | 83 | 10 | 20 | 0.053 | N | N | N | N | N | 10 | N | N | Mosquito Lake Area |
| | 5GV2627 | - | SS | 0.125 | N | 93 | 41 | 12 | 12 | 0.055 | N | N | N | N | N | 10 | N | N | Mosquito Lake Area |
| 42 | 5WV1501 | - | SS | N | N | 113 | 68 | 9 | 18 | 0.037 | N | N | N | N | N | 10 | N | N | Mosquito Lake Area |
| 43 | 3S231 | - | SS | N | 0.56 | 120 | 51 | N | 30 | N | - | - | - | - | - | - | - | - | Mosquito Lake Area |
| 44 | 94 | - | SS | 0.047 | N | 170 | 100 | 100 | 71 | - | - | - | - | - | - | - | - | - | Muncaster Creek |
| 45 | 96 | - | SS | 0.068 | N | 170 | 99 | 99 | 70 | - | - | - | - | - | - | - | - | - | Muncaster Creek |
| | 98 | - | SS | N | N | 140 | 110 | 110 | 73 | - | - | - | - | - | - | - | - | - | Muncaster Creek |
| 46 | 19 | - | SS | N | N | 64 | 60 | N | 24 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| | 20 | - | SS | 0.406 | N | 51 | 56 | N | 23 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 47 | 5BV2520 | - | SS | 0.130 | 0.20 | 318 | 57 | 23 | 11 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 48 | 3S026 | - | SS | N | N | 270 | 71 | 200 | 37 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 49 | 27 | - | SS | 0.022 | 0.39 | 490 | 110 | 38 | 26 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 50 | 29 | - | SS | 0.101 | N | 140 | 76 | 39 | 44 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 51 | 31 | - | SS | N | N | 150 | 84 | 55 | 49 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 52 | 32 | - | SS | 0.033 | N | 140 | 79 | 43 | 43 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 53 | 34 | - | SS | 0.013 | N | 120 | 78 | N | 35 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 54 | 5BV2512 | - | SS | 0.040 | 0.50 | 237 | 63 | 24 | 23 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 55 | 2513 | - | SS | N | 0.40 | 223 | 66 | 14 | 21 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 56 | 3S035 | - | SS | 0.047 | N | 130 | 69 | N | 35 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 57 | 5BV2511 | - | SS | 0.005 | 0.40 | 238 | 49 | 21 | 24 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 58 | 3S056 | - | SS | 0.016 | 1.28 | 200 | 66 | N | 32 | - | - | - | - | - | - | - | - | - | Glacier Creek Area |
| 59 | AJ5SV003 | - | SS | N | N | 410 | 55 | 16 | 19 | 0.600 | N | N | N | N | 30 | N | N | N | Porcupine Road Area |
| 60 | 3S251 | - | SS | N | N | 250 | 38 | N | N | 0.050 | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 61 | 250 | - | SS | N | N | 490 | 43 | N | 30 | 0.040 | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 62 | AJ5SV004 | - | SS | 0.020 | 0.20 | 765 | 17 | 15 | 3 | 0.010 | N | N | N | N | N | N | N | N | Porcupine Road Area |
| 63 | 3S249 | - | SS | 0.092 | N | 1810 | 32 | N | N | N | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 64 | 24B | - | SS | N | 1.13 | 760 | 43 | N | N | 0.040 | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 65 | AJ5WV951 | - | SS | 0.030 | N | 92 | 56 | 15 | 19 | 0.059 | N | N | N | N | 10 | N | N | N | Porcupine Road Area |
| | 952 | - | PC | N | N | 158 | 89 | 10 | 21 | 0.083 | N | N | N | N | N | N | N | N | Porcupine Road Area |
| 66 | 3S245 | - | SS | N | 4.90 | - | - | - | - | 0.010 | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 67 | 252 | - | SS | N | N | 150 | 35 | N | 35 | 0.020 | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 68 | 5BV2516 | - | SS | N | 0.20 | 223 | 88 | 14 | 24 | - | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 69 | 2514 | - | SS | N | N | 127 | 43 | 16 | 18 | - | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 70 | 2515 | - | SS | N | 0.20 | 166 | 53 | 21 | 19 | - | - | - | - | - | - | - | - | - | Porcupine Road Area |
| 71 | 5GV2659 | - | SS | N | 0.30 | 227 | 36 | 7 | 16 | 0.118 | N | N | N | N | 10 | N | N | N | Porcupine Road Area |
| 72 | 2660 | - | SS | N | 0.20 | 248 | 35 | 11 | 19 | 0.142 | N | N | N | N | N | N | N | N | Porcupine Road Area |
| 73 | 3S243 | - | SS | N | N | 140 | 43 | N | 30 | 0.060 | - | - | - | - | - | - | - | - | Porcupine Road Area |
| | AJ5SV048 | - | PC | N | 0.30 | 80 | 26 | 18 | 11 | 0.200 | N | N | N | N | 20 | N | N | N | Porcupine Road Area |

| Map No. | Sample No. | Sample Size | Type | Fire Assay | | Atomic Absorption (ppm unless marked %) | | | | | | X-Ray | | Spectrographic (ppm) | | | | | |
|---------|------------|-------------|------|------------|------|---|-----|-----|-----|-------|-----|-------|-----|----------------------|-----|-----|-------|----------------------|--|
| | | | | Au | Ag | Zn | Cu | Pb | Co | Ba | W | Mo | Sn | As | Ni | Bi | St | | |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | | |
| 74 | 3S254 | - | SS | N | N | 140 | 43 | N | 30 | 0.080 | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 75 | SBV2517 | - | SS | 0.005 | 0.20 | 261 | 42 | 20 | 11 | - | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 76 | 2510 | - | Soil | N | 0.20 | 152 | 99 | 15 | 42 | - | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 77 | 2509 | - | SS | 0.050 | 1.00 | 780 | 67 | 19 | 21 | - | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 78 | AJ5SV047 | - | PC | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 79 | SBV2508 | - | SS | 0.030 | 1.00 | 975 | 69 | 13 | 30 | - | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 80 | AJ5SV018 | - | SS | N | 0.20 | 181 | 72 | 18 | 19 | 0.200 | N | N | N | N | 20 | N | N | Porcupine Creek Area | |
| | 20 | - | SS | N | 0.30 | 130 | 54 | 17 | 12 | 0.200 | N | N | N | N | 40 | N | N | Porcupine Creek Area | |
| 81 | 157 | - | SS | N | 0.20 | 115 | 50 | 10 | 11 | 0.089 | N | N | N | N | 8 | N | N | Porcupine Creek Area | |
| 82 | SBV2507 | - | SS | 0.010 | 1.30 | 900 | 98 | 23 | 35 | - | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 83 | AJ5SV037 | - | PC | N | 0.20 | 92 | 36 | 16 | 11 | 0.300 | N | N | N | N | 20 | N | N | Porcupine Creek Area | |
| | 38 | - | SS | N | 0.30 | 143 | 60 | 14 | 12 | 0.300 | N | N | N | N | 20 | N | N | Porcupine Creek Area | |
| | 39 | - | SS | N | 0.30 | 113 | 15 | 10 | 12 | 0.400 | N | N | N | N | 30 | N | N | Porcupine Creek Area | |
| | 40 | - | PC | N | 0.20 | 124 | 42 | 12 | 10 | 0.300 | N | N | N | N | 10 | N | N | Porcupine Creek Area | |
| 84 | 159 | - | SS | N | 0.30 | 99 | 41 | 6 | 13 | 0.084 | N | N | N | N | N | N | N | Porcupine Creek Area | |
| 85 | 161 | - | SS | N | 0.20 | 96 | 41 | 7 | 12 | 0.073 | N | N | N | N | 400 | N | N | Porcupine Creek Area | |
| 86 | 5GV2598 | - | SS | 0.015 | N | 233 | 36 | 7 | 5 | 0.099 | N | N | N | N | 20 | N | N | Porcupine Creek Area | |
| 87 | 2599 | - | SS | N | N | 102 | 45 | 4 | 4 | 0.079 | N | N | N | N | N | N | N | Porcupine Creek Area | |
| 88 | 2600 | - | SS | N | N | 223 | 45 | 5 | 7 | 0.076 | N | N | N | N | N | N | N | Porcupine Creek Area | |
| 89 | AJ5SV163 | - | SS | N | 0.20 | 128 | 51 | 11 | 15 | 0.073 | N | N | N | N | 50 | N | N | Porcupine Creek Area | |
| 90 | 165 | - | SS | N | N | 109 | 52 | 12 | 16 | 0.074 | N | N | N | N | 40 | N | N | Porcupine Creek Area | |
| 91 | 169 | - | PC | N | N | 51 | 21 | 6 | 13 | 0.020 | N | N | N | N | N | N | N | Porcupine Creek Area | |
| 92 | 5GV2601 | - | SS | N | N | 92 | 33 | 3 | 3 | 0.065 | N | N | N | N | N | N | N | Porcupine Creek Area | |
| 93 | AJ5SV170 | - | SS | N | N | 82 | 38 | 7 | 13 | 0.067 | N | N | N | N | 10 | N | N | Porcupine Creek Area | |
| 94 | 167 | - | SS | N | N | 98 | 49 | 11 | 20 | 0.080 | N | N | N | N | 10 | N | N | Porcupine Creek Area | |
| 95 | 171 | - | SS | N | 0.30 | 89 | 53 | 3 | 12 | 0.092 | N | N | N | N | 20 | N | N | Porcupine Creek Area | |
| 96 | 293 | - | SS | N | N | 32 | 32 | 8 | 18 | 0.019 | N | N | N | N | 30 | N | N | Porcupine Creek Area | |
| 97 | 4S203 | - | SS | 0.148 | N | 180 | 50 | 24 | 51 | 0.088 | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 98 | 204 | - | SS | N | N | 120 | 45 | 17 | 16 | 0.102 | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 99 | 205 | - | SS | N | N | 100 | 32 | N | 10 | 0.096 | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 100 | 206 | - | SS | 0.008 | N | 100 | 35 | N | 9 | 0.108 | - | - | - | - | - | - | - | Porcupine Creek Area | |
| 101 | AJ5SV248 | - | SS | 0.015 | 0.30 | 243 | 45 | 4 | 17 | 0.103 | N | N | N | 300 | 200 | N | 20000 | Cahoon Creek Area | |
| 102 | 245 | - | SS | 0.100 | 0.20 | 555 | 39 | 5 | 21 | 0.082 | N | N | N | N | 200 | N | 30000 | Cahoon Creek Area | |
| 103 | 242 | - | SS | 0.015 | 0.70 | 383 | 86 | 10 | 43 | 0.128 | N | N | N | N | 20 | N | N | Cahoon Creek Area | |
| 104 | 236 | - | SS | 0.010 | N | 68 | 31 | 3 | 17 | 0.044 | N | N | N | N | N | N | N | Cahoon Creek Area | |
| 105 | 181 | - | SS | 0.025 | 0.20 | 34 | 24 | 7 | 18 | 0.027 | N | N | N | N | N | N | N | Cahoon Creek Area | |
| 106 | 4W6223 | - | SS | 0.021 | N | 120 | 23 | N | 69 | 0.031 | - | - | - | - | - | - | - | Cahoon Creek Area | |
| | 179 | - | SS | 0.065 | N | 27 | 26 | 9 | 15 | 0.022 | N | N | N | N | N | N | N | Cahoon Creek Area | |
| 107 | 221 | - | SS | N | N | 100 | 21 | N | 61 | 0.026 | - | - | - | - | - | - | - | Cahoon Creek Area | |
| 108 | AJ5SV177 | - | SS | 0.015 | 0.20 | 24 | 23 | 5 | 12 | 0.025 | N | N | N | N | N | N | N | Cahoon Creek Area | |

| Map No. | Sample No. | Sample Size | Type | Fire Assay | | Atomic Absorption (ppm unless marked %) | | | | X-Ray | | Spectrographic (ppm) | | | | | | |
|---------|------------|-------------|------|------------|--------|---|--------|--------|--------|-------|-------|----------------------|--------|--------|--------|--------|-------------------|--------------------------|
| | | | | Au pps | Ag pps | Zn ppm | Cu ppm | Pb ppm | Co ppm | Ba % | W ppm | Mo pps | Sn pps | As pps | Ni pps | Bi ppm | St ppm | |
| 109 | 4WG220 | - | SS | 0.023 | N | 110 | 29 | 17 | 62 | 0.021 | - | - | - | - | - | - | Cahoon Creek Area | |
| 110 | 219 | - | SS | 0.033 | N | 110 | 22 | N | 61 | 0.030 | - | - | - | - | - | - | Cahoon Creek Area | |
| 111 | AJ5SV175 | - | SS | 0.070 | N | 24 | 27 | 12 | 12 | 0.023 | N | N | N | N | 20 | N | N | Cahoon Creek Area |
| 112 | 173 | - | SS | 0.225 | N | 27 | 23 | 9 | 14 | 0.019 | N | N | N | N | N | N | N | Cahoon Creek Area |
| 113 | 5BV2506 | - | SS | N | 0.40 | 590 | 69 | 17 | 17 | - | - | - | - | - | - | - | - | McKinley Creek Area |
| 114 | 2518 | - | SS | 0.035 | 1.60 | 415 | 87 | 14 | 30 | - | - | - | - | - | - | - | - | McKinley Creek Area |
| 115 | AJ5SV183 | - | SS | 0.015 | 0.60 | 371 | 62 | 13 | 14 | 0.143 | N | N | N | N | 20 | N | N | McKinley Creek Area |
| 116 | 5BV2505 | - | SS | 0.050 | 0.60 | 367 | 71 | 17 | 15 | - | - | - | - | - | - | - | - | McKinley Creek Area |
| 117 | AJ5SV250 | - | SS | 0.035 | 0.20 | 244 | 47 | 4 | 15 | 0.109 | N | N | N | N | 80 | N | 20000 | McKinley Creek Area |
| 118 | 4S192A | - | SS | 0.028 | N | 240 | 31 | N | 22 | 0.102 | - | - | - | - | - | - | - | McKinley Creek Area |
| | 193A | - | SS | 0.048 | N | 310 | 45 | 20 | 47 | 0.095 | - | - | - | - | - | - | - | McKinley Creek Area |
| 119 | AJ5WV816 | - | SS | 0.020 | N | 210 | 44 | 7 | 14 | - | - | - | - | - | - | - | - | McKinley Creek Area |
| 120 | 818 | - | SS | N | N | 229 | 46 | 6 | 15 | 0.100 | N | N | N | N | 30 | N | N | McKinley Creek Area |
| 121 | 992 | - | SS | 0.010 | 0.20 | 177 | 41 | 14 | 12 | 0.098 | N | N | N | N | 20 | N | N | McKinley Creek Area |
| 122 | 990 | - | SS | N | N | 97 | 27 | 3 | 10 | 0.077 | N | N | N | N | 20 | N | N | McKinley Creek Area |
| 123 | 988 | - | SS | 0.005 | N | 545 | 74 | 3 | 14 | 0.240 | N | N | N | N | 50 | N | N | McKinley Creek Area |
| 124 | 987 | - | SS | 0.010 | N | 45 | 17 | N | 6 | 0.051 | N | N | N | N | 10 | N | N | McKinley Creek Area |
| 125 | 984 | - | SS | 0.055 | N | 130 | 19 | 13 | 25 | - | - | - | - | - | - | - | - | McKinley Creek Area |
| 126 | 5GV2597 | - | SS | 0.030 | N | 26 | 14 | 5 | 3 | 0.034 | N | N | N | N | 10 | N | N | McKinley Creek Area |
| 127 | AJ5SV234 | - | SS | 0.015 | 0.40 | 710 | 92 | 11 | 24 | 0.194 | N | N | N | N | 50 | N | N | McKinley Creek Area |
| 128 | 225 | - | SS | 0.020 | 0.70 | 730 | 99 | 13 | 16 | 0.222 | N | N | N | N | 20 | N | N | Little Salmon River Area |
| 129 | 4ER123 | - | SS | N | 0.49 | 790 | 100 | 24 | 71 | 0.177 | - | - | - | - | - | - | - | Little Salmon River Area |
| 130 | 122 | - | SS | N | 0.40 | 340 | 64 | N | 21 | 0.193 | - | - | - | - | - | - | - | Little Salmon River Area |
| 131 | AJ5WV973 | - | SS | 0.020 | 0.20 | 110 | 63 | 3 | 21 | 0.029 | N | N | N | N | 30 | N | N | Little Salmon River Area |
| 132 | 4ER115 | - | SS | 0.032 | N | 470 | 78 | N | 61 | 0.115 | - | - | - | - | - | - | - | Little Salmon River Area |
| 133 | 3S073 | - | SS | N | N | 92 | 64 | N | 29 | - | - | - | - | - | - | - | - | Little Salmon River Area |
| 134 | 74 | - | SS | N | N | N | 42 | N | 23 | - | - | - | - | - | - | - | - | Little Salmon River Area |
| 135 | 143 | - | SS | N | 0.36 | 210 | 77 | N | 59 | 0.040 | - | - | - | - | - | - | - | Little Salmon River Area |
| 136 | AJ5WV993 | - | SS | 0.005 | N | 48 | 9 | 12 | N | 0.014 | N | N | N | N | N | N | N | Summit Creek Area |
| 137 | AJ5SV226 | - | SS | 0.010 | 1.20 | 1190 | 103 | 8 | 15 | 0.195 | N | N | N | N | 20 | N | N | Summit Creek Area |
| 138 | 227 | - | SS | N | N | 1150 | 9 | 11 | N | 0.017 | N | N | N | N | N | N | N | Summit Creek Area |
| 139 | 5GV2632 | - | SS | N | 0.60 | 1100 | 110 | 13 | 7 | 0.192 | N | N | N | N | 20 | N | N | Summit Creek Area |
| 140 | 2630 | - | SS | N | 0.40 | 850 | 102 | 13 | 9 | 0.220 | N | N | N | N | 100 | N | N | Summit Creek Area |
| 141 | 2631 | - | SS | N | 0.60 | 1620 | 78 | 33 | 13 | 0.100 | N | N | N | N | 100 | N | N | Summit Creek Area |
| 142 | AJ5WV857 | - | SS | 0.005 | 0.40 | 570 | 84 | 14 | 16 | 0.168 | N | N | N | N | 30 | N | N | Summit Creek Area |
| 143 | 975 | - | SS | N | 0.50 | 535 | 70 | 10 | 14 | 0.166 | N | N | N | N | 20 | N | N | Summit Creek Area |
| 144 | AJ5SV369 | - | SS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Summit Creek Area |
| 145 | AJ5WV974 | - | SS | 0.025 | 0.30 | 385 | 44 | 8 | 16 | - | - | - | - | - | - | - | - | Summit Creek Area |
| 146 | 5GV2658 | - | SS | N | N | 106 | 86 | 17 | 26 | 0.071 | N | N | N | N | 10 | N | N | Summit Creek Area |

| Map No. | Sample No. | Sample Size | Sample Type | Fire Assay | | Atomic Absorption (ppm unless marked %) | | | | X-Ray | | Spectrographic (ppm) | | | | | | |
|---------|------------|-------------|-------------|------------|--------|---|--------|--------|--------|-------|-------|----------------------|--------|--------|--------|--------|--------|-------------------------|
| | | | | Au ppm | Ag ppm | Zn ppm | Cu ppm | Pb ppm | Co ppm | Ba % | W ppm | Mo ppm | Sn ppm | As ppm | Ni ppm | Bi ppm | Sb ppm | |
| 147 | 45069 | - | SS | N | N | 240 | 22 | N | 30 | 0.059 | - | N | N | N | N | N | N | North of Tsirku Glacier |
| | 70 | - | SS | N | N | 78 | 6 | N | 22 | 0.030 | - | N | N | 500 | N | N | N | North of Tsirku Glacier |
| | 71 | - | SS | N | N | 800 | 110 | 53 | 65 | 0.280 | - | N | N | N | 60 | N | N | North of Tsirku Glacier |
| 148 | 75 | - | SS | N | 10.00 | 780 | 120 | N | 33 | 0.078 | - | N | N | N | 30 | N | N | North of Tsirku Glacier |
| 149 | 76 | - | SS | N | 0.76 | 400 | 78 | N | 22 | 0.164 | - | N | N | N | 50 | N | N | North of Tsirku Glacier |
| 150 | 78 | - | SS | N | N | 350 | 92 | 22 | 44 | 0.140 | - | N | N | N | 20 | N | N | North of Tsirku Glacier |
| 151 | 80 | - | SS | N | 1.30 | 320 | 65 | N | 22 | 0.131 | - | N | N | N | 20 | N | N | North of Tsirku Glacier |
| 152 | 83 | - | SS | N | 0.86 | 190 | 49 | N | 25 | 0.094 | - | N | N | N | 20 | N | N | North of Tsirku Glacier |
| 153 | 85 | - | SS | N | 0.66 | 270 | 65 | 30 | 52 | 0.105 | - | N | N | N | 30 | N | N | North of Tsirku Glacier |
| 154 | 87 | - | SS | N | 0.84 | 230 | 63 | N | 29 | 0.104 | - | N | N | N | 20 | N | N | North of Tsirku Glacier |
| 155 | AJ5SV206 | - | SS | N | N | 137 | 58 | 13 | 16 | 0.070 | N | N | N | N | 20 | N | N | Tsirku River Area |
| 156 | 207 | - | SS | N | 0.30 | 127 | 54 | 9 | 14 | 0.063 | N | N | N | N | 20 | N | N | Tsirku River Area |
| 157 | 209 | - | SS | N | 0.40 | 160 | 62 | 10 | 19 | 0.082 | N | N | N | N | 10 | N | N | Tsirku River Area |
| 158 | 210 | - | SS | 0.005 | 0.20 | 191 | 58 | 6 | 16 | 0.085 | N | N | N | N | N | N | N | Tsirku River Area |
| 159 | 296 | - | SS | 0.015 | N | 48 | 29 | 10 | 10 | 0.040 | N | N | N | N | N | N | N | Tsirku River Area |
| 160 | 297 | - | SS | 0.160 | N | 55 | 32 | 12 | 13 | 0.065 | 10 | N | N | N | N | N | N | Tsirku River Area |
| 161 | 4S1B3 | - | SS | 2.504 | 0.35 | 240 | 51 | 24 | 48 | 0.083 | - | - | - | - | - | - | - | Tsirku River Area |
| 162 | AJ5SV295 | - | PC | N | N | 190 | 36 | 8 | 11 | 0.169 | N | N | N | N | 10 | N | N | Tsirku River Area |
| 163 | 298 | - | SS | N | N | 80 | 37 | 13 | 14 | 0.048 | N | N | N | N | 8 | N | N | Tsirku River Area |
| 164 | 294 | - | PC | N | 1.30 | 211 | 38 | 80 | 10 | 0.113 | N | N | N | N | N | N | N | Tsirku River Area |
| 165 | 212 | - | SS | 0.005 | 0.80 | 540 | 96 | 17 | 19 | 0.178 | N | N | N | N | 30 | N | N | Tsirku River Area |
| 166 | 299 | - | SS | 0.005 | N | 77 | 39 | 13 | 15 | 0.055 | N | N | N | N | N | N | N | Tsirku River Area |
| 167 | 4S1B2 | - | SS | 0.039 | N | 140 | 51 | N | 6 | 0.083 | - | - | - | - | - | - | - | Tsirku River Area |
| 168 | 181 | - | SS | N | N | 240 | 40 | N | 13 | 0.106 | - | - | - | - | - | - | - | Tsirku River Area |
| 169 | AJ5SV300 | - | SS | 0.010 | N | 190 | 68 | 25 | 23 | 0.041 | N | N | N | N | 10 | N | N | Tsirku River Area |
| 170 | AJ5WV998 | - | SS | 0.025 | N | 40 | 39 | 8 | 26 | 0.026 | N | N | N | N | N | N | N | Tsirku River Area |
| 171 | 4ER208 | - | SS | N | N | 120 | 37 | N | 22 | 0.137 | - | - | - | - | - | - | - | Cottonwood Creek |
| 172 | AJ5SV235 | - | SS | 0.005 | 0.40 | 234 | 61 | 7 | 16 | 0.182 | N | N | N | N | 20 | N | N | Cottonwood Creek |
| 173 | 4S1B0 | - | SS | N | N | 260 | 45 | N | 16 | 0.221 | - | - | - | - | - | - | - | Cottonwood Creek |
| 174 | 4WG225 | - | SS | 0.010 | 0.69 | 1000 | 110 | 24 | 35 | 0.168 | - | - | - | - | - | - | - | Nugget Creek Area |
| 175 | 226 | - | SS | 0.007 | N | 120 | 32 | N | 51 | 0.054 | - | - | - | - | - | - | - | Nugget Creek Area |
| 176 | 4S179A | - | SS | N | N | 460 | 100 | N | 72 | 0.186 | - | N | N | N | 70 | N | N | Nugget Creek Area |
| | 179B | - | PC | 0.027 | N | 400 | 87 | 38 | 57 | 0.220 | - | N | N | N | 50 | N | N | Nugget Creek Area |
| 177 | AJ5SV344 | - | SS | N | 1.10 | 800 | 131 | 52 | 21 | - | - | - | - | - | - | - | - | Nugget Creek Area |
| 178 | AJ5WV999 | - | SS | 0.010 | N | 51 | 36 | 5 | 33 | 0.024 | N | N | N | N | 20 | N | N | Takhin River Area |

Key to abbreviations on page 17